JULY 1986

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Answer, page 64

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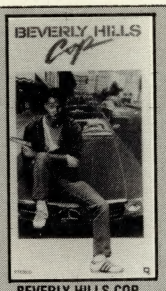
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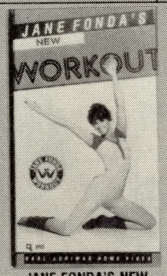
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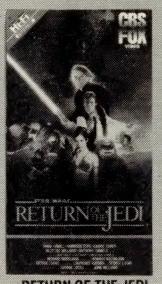
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JULY 1986

GAMES

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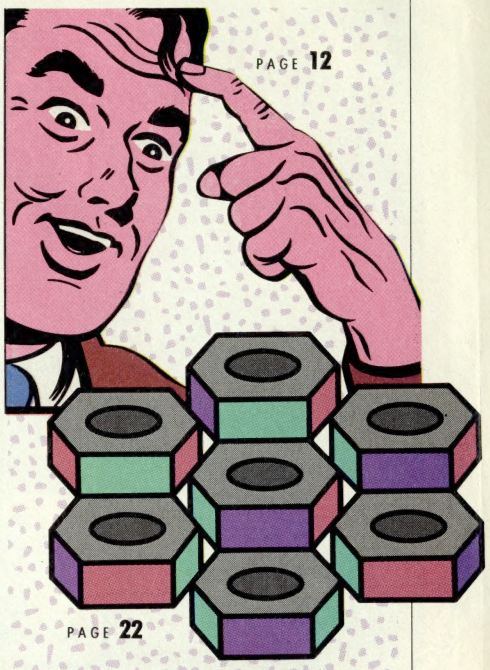
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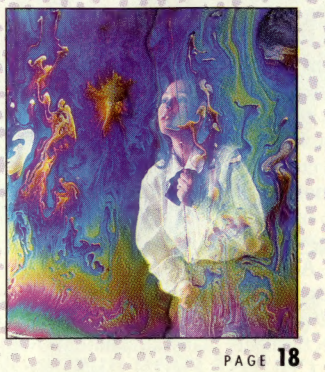
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FOUR LITTLE WORDS ★★

Each set of blanks below is to be filled in with an uncapitalized three-letter word. The result must be a five-letter word beginning and ending with the two given letters, and must also include a four-letter word beginning with the first given letter and another four-letter word ending with the last given letter. For instance, given K _ _ _ D, you might insert the word NEE to produce KNEE, NEED, and KNEED. Number 5 has two solutions.

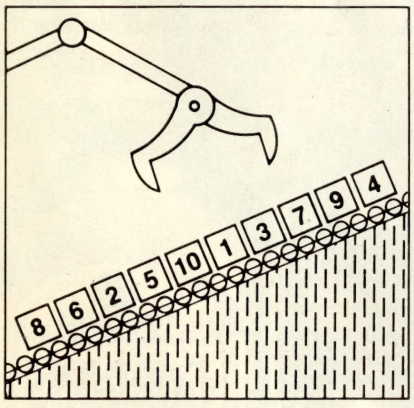
1. T _ _ _ Y
2. P _ _ _ L
3. A _ _ _ D
4. P _ _ _ D
5. T _ _ _ E

Shamlu Dudeja
New York, NY

ON A ROLL ★★★

Ten cartons are arranged on a tilted roller track in the order shown. A mechanical arm will be used to sort them into numerical order from left to right. The arm can move up to three adjacent cartons at a time from their current position to the right-hand top of the track. The cartons at the right of the gap will roll down to fill it.

Can you sort the cartons in five moves?



Frank Rubin
Wappingers Falls, NY

FRUIT SALAD ★★

In the subtraction problem below, each digit has been replaced by a different letter. Each letter stands for the same digit wherever it appears. Can you break the code and find the numbers?

```
  G R A P E
- _ P E A R
-----------
  A P P L E
```

Jimmie Needham
Anchorage, AK

IDENTITY CRISIS ★☆

The mysterious avenger—in some cases the mysterious evildoer—has long been a staple figure in popular fiction. Can you match each moniker below (1–12) with its owner's "real" fictional name (a–l)?

1. The Scarlet Pimpernel
2. The Shadow
3. The Green Hornet
4. Zorro
5. Batman
6. Robin
7. Captain America
8. Spiderman
9. Wonder Woman
10. Supergirl
11. The Lone Ranger
12. Tarzan

a. Don Diego de Vega
b. Dick Grayson
c. Bruce Wayne
d. Lamont Cranston
e. Diana Prince
f. John Reid
g. Britt Reid (great-grandnephew of John Reid)
h. Linda Lee Danvers
i. Sir Percy Blakeney
j. John Clayton
k. Peter Parker
l. Steve Rogers

Robert Campbell
Weymouth, MA

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Your Move is a column of original puzzles and other material submitted by readers. We pay $15 and up for each item we publish. We reserve the right to revise puzzles and edit manuscripts for clarity. None can be returned unless accompanied by a stamped, self-addressed envelope.

GAMES

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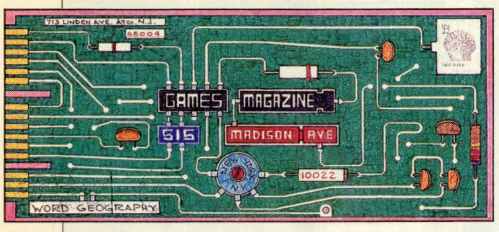
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LETTERS

OUR MOVE

GAMES *magazine is now at a new location. As of this issue, readers should address all editorial correspondence to* GAMES, *1350 Avenue of the Americas, 16th floor, New York, NY 10019—Ed.*

ENVELOPE OF THE MONTH



Michael J. Patchus
Atco, NJ

MANY HAPPY RETURNS

I was very surprised to see my twice-returned envelope in "Zippy Codes," the collection of coded envelopes sent to GAMES (April, page 4). But what surprised me even more were the letters I received! My return address, visible on my envelope, prompted GAMES readers who had seen it to write with compliments, messages, and job offers. I even had a letter from an apologetic postal worker.

B. J. Straker
N. Vancouver, British Columbia

ON DRESSING MISS LIBERTY

We are a group of high school teachers who would like some official entry forms for the "Look of Liberty" contest. We're asking all our students to take part in your competition as part of a class project. A panel of judges will be choosing the best designs to send in as official entries.

Name and address withheld

I do not think you should repaint the Statue of Liberty's dress. She should remain the way she was when America first received her. She was not red, white, and blue, and she surely was not multicolored paisley. A clear lacquer will last just as long as paint, and will not be any more expensive. We don't have to paint her red, white, and blue to know she stands for America.

Name and address withheld

These letters and almost 200 others were sent as a response to a Fake Ad (March, page 56) for "The Look of Liberty," a supposed competition to redesign the Statue of Liberty's dress as part of her renovation. Although we announced the Fake Ad in the Table of Contents and revealed it in the Answers, the phony address we listed proved close enough for the post office, which forwarded the mail to the Statue of Liberty Fund. Some people wrote to complain about the contest, but most letters requested entry forms.—Ed.

PETTY CRIMES

In the Photocrime "No Tears for a Tyrant" (April, page 43), James McClaren did not know that stingy matriarch Abigail Chambers was going to "drop the bombshell" about the changes in her will, so there was no reason for him to have brought a gun. Therefore, I discount your solution that McClaren was the murderer, and present three new theories on who killed Abigail Chambers:

1. Maybe she killed herself, after realizing that she had been calling a brandy snifter a "champagne glass" for her entire life. In her confusion, she forgot she was left-handed and held the gun in her right hand.

2. Maybe Megan did it. Her lack of interest, evident in photo 7, indicates she already knows that Abigail's body will be found inside the locked room. Perhaps she killed Abigail, locked the door, then climbed out a window and down a tree. All that climbing would have mussed up her hair, and that's why she's combing her hair in that photo.

3. However, I really believe that what killed Abigail Chambers was a "Mutant Robot from Outer Space" (March, page 32). As mentioned in May's Letters column, there were actually 23 defects in the robots, not the 22 suggested. The undetected robot was sent to earth, as predicted, and went "on a killing rampage."

David Uhland
Newark, DE

Not so fast, Detective Uhland. McClaren did have advance warning. Abigail specifically tells McClaren, "As we discussed this afternoon . . . I have decided to finalize these changes in my original will tomorrow." And Abigail doesn't refer to her brandy snifters as "champagne glasses" (though we plead guilty to making that error in the Answers). But we're beginning to like your Mutant Robot theory. When last seen, the Robot was in another mansion's living room, inflicting visual mayhem. (See "Inferior Decorator," June, page 20).—Ed.

I hate to be picky, but the butler Hampton in "No Tears For a Tyrant" is not dressed as a butler at all, but as a footman—in fact, as a footman in mourning, something no self-respecting butler would do. Typical butlers' evening clothes consist of an unadorned evening tailcoat (no brass buttons), black trousers, black waistcoat, and white bow tie.

Murray Schellenberg
Olds, Alberta

NEW DESIGNS

Boy, did I turn red when I noticed you dropped your "Drawers"! (The Answer Drawer, that is, which is now called simply "Answers.") Shame on you!

Joyce Nichol
Kent, WA

BACK FOR MORE

I enjoyed "Back-and-Forths" (Wild Cards, April, page 55), in which three-word phrases changed meanings when their word orders were reversed. For instance, "Endorse a payment slip" is SIGN A CHECK and "Examine a poster" is CHECK A SIGN. Upon reflection, I came up with these:

1. "Proclaim a regulation" and "Govern a province."

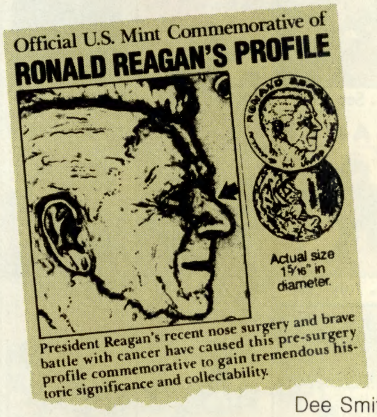
2. "Display a skillet" and "Review a performance unfavorably."

Richard A. Schutz
Philadelphia, PA

ANSWERS, PAGE 59

HEADS, YOU LOSE

At first, I thought GAMES placed one of its Fake Ads in *The Des Moines Register*. But if you were responsible, it would have had more class. This is the real thing.



Dee Smith
Bloomfield, IA

LAUNDRY

If a reader finds a significant error of fact or a mistake that affects the play of a game, and we agree the slip needs to be laundered, we'll print the first or best letter and send the writer a GAMES T-shirt.

MISTAKES: MAY

Clue 13-Across in Cryptic Crossword #1 (page 35) is incorrect or at best ambiguous. The clue is "Criminal's X-chromosome?" But since men's chromosomes are XY and women's are XX, it's really the Y-chromosome that is the MALE FACTOR.

Carolyn Stevenson
Fairview, OK

Your clue for 10-Across in Cryptic Crossword #2 reads "Toxin brings chief of police to Granite State" and is supposed to lead to PTOMAINE. The clue should refer to the Pine State; as it stands, the answer would have to be PTONEWHAMPSHIRE.

Chris Coombs
West Palm Beach, FL

APRIL

In the Ornery Crossword (page 37), Hard Clue 44-Down is "Bacterium, e.g." for PROTOZOON. Although both are single-celled, protozoa are animals and bacteria are not.

Tom Davidson
Amarillo, TX

EVENTS

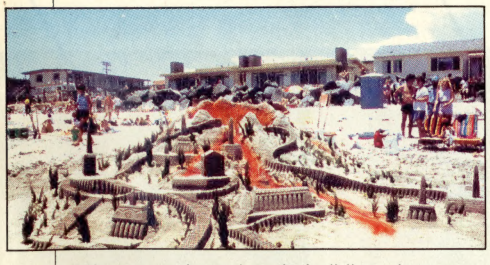
If you plan to attend any of these events, write or call to check entry fees, dates, sites, eligibility, etc. Include a stamped, self-addressed envelope with your request. If you know of other events suitable for this column, write to Events, c/o GAMES.

CHESS Three tournaments this month:
• World Open Chess Tournament, Philadelphia, Pennsylvania, July 2-6, with a minimum of $120,000 in cash prizes. Contact: Continental Chess Assn., 450 Prospect Ave., Mt. Vernon, NY 10553.
• U.S. Junior Open Championship, Pittsburgh, Pennsylvania (players must be under 21 years of age). Contact: U.S. Chess Federation, 186 Route 9W, New Windsor, NY 12250, or call (914) 562-8350.
• U.S. Open Computer Championship, Mobile, Alabama, July 18-20. Spectators are invited. Contact: U.S. Chess Federation (see above).

CRIBBAGE Guaranteed cash prizes at the 13th Annual National Open Cribbage Tournament add up to $20,000 (based on a full field of 512 players). This double elimination tournament takes place July 26-28 at the North Raleigh Hilton, in Raleigh, North Carolina. Entry deadline is July 11 (no exceptions). Contact: National Open Cribbage Tournament, Box 12800, Raleigh, NC 27605, or call (919) 890-6063.

GAME CONVENTION Games People Play, a consumer exhibition, will be held July 9-13 at the National Garden Festival, Stoke on Trent, England (less than two hours' drive from London). Extensive media coverage will be provided to help game companies get a start in the European market. Contact: Games for Pleasure Ltd., 9 Avenue Rd., London N12 8PY, England.

SANDCASTLE CONTEST Creative people with a flair for the ephemeral may be interested in Sandcastle Days, to be held July 11-13 on the shore of Imperial Beach, California (at the San Diego border). Events include a dance, a parade, a jet ski race, a

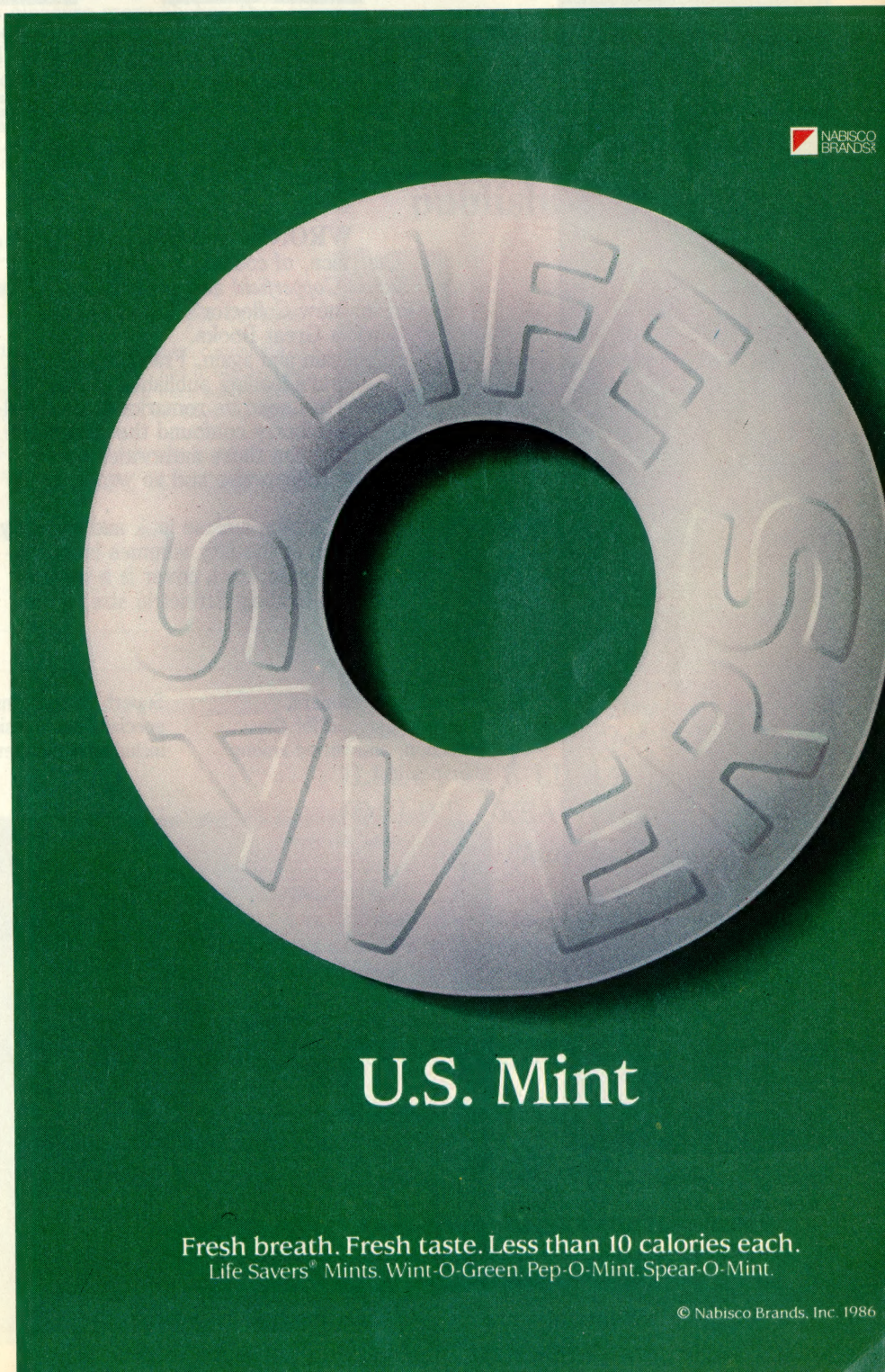


10k run, and sandcastle building classes. Participants compete in teams of up to 10 people for $14,000 in total cash prizes. Winners will be selected by a panel of judges. Contact: Mary Nichols, 1250 Fifth St., Imperial Beach, CA 92032.

RESULTS

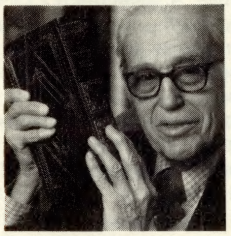
CHESS *New York Open Chess Tournament*: The three remarkable Polgar sisters from Hungary monopolized the media at this strong event. Judith, 9, easily won first prize in the Unrated section with a score of 7½-½, a full point ahead of second place. Sophia, 11, finished in a five-way tie for second place in the Class A section. And Susan (a.k.a. Zsuzsa), one of the world's strongest women players at only 16 years of age (see Gamebits, August 1985), scored a creditable 5½-3½ in the grandmaster-dominated International section, where she defeated former U.S. Champion Walter Browne. This section was won by Jan Smejkal of Czechoslovakia after a tiebreaking speed-chess match with Hungary's Gyula Sax. Both had posted scores of 7-2. (New York, March 29-April 7)

DARTS *Lucky Lights Washington, DC Open XII* (a segment of the Lucky Lights Dart Series): Rick Ney won first place in Open Singles; Kathy Karpowich came in first in the Ladies Open Singles; the Open Doubles 501 went to Kevin Hayes and Martin Schilling; Ladies Doubles first place was taken by Kathy Maloney and Kathy Karpowich; Pro Singles winner was Conrad Daniels; Open Doubles Cricket went to Rick Ney and Jerry Umberger; Ladies Doubles Cricket was won by Ruth Kenny and Peggy Phillips. Total cash prizes awarded to winners in this tournament came to $20,000. (Washington, DC, March 21-23)



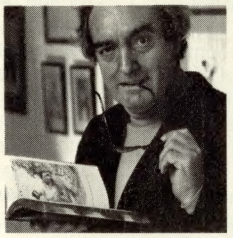
We asked these three experts to put a price on this edition of Dickens' DAVID COPPERFIELD. $12.50.





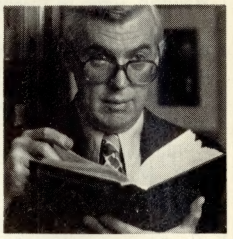
"The raised spine is a giveaway. That's quality binding. **$30.**"

KEN McCORMICK,
Sr. Consulting Editor,
Doubleday.



"The illustrations are superb. Excellent typography. **$35.**"

CLIVE BARNES,
Cultural critic, New York Post



"The paper is fine mill. The end pages an unusual design. A first-class job. **$35.**"

PHILIP LYMAN,
Gotham Book Mart.

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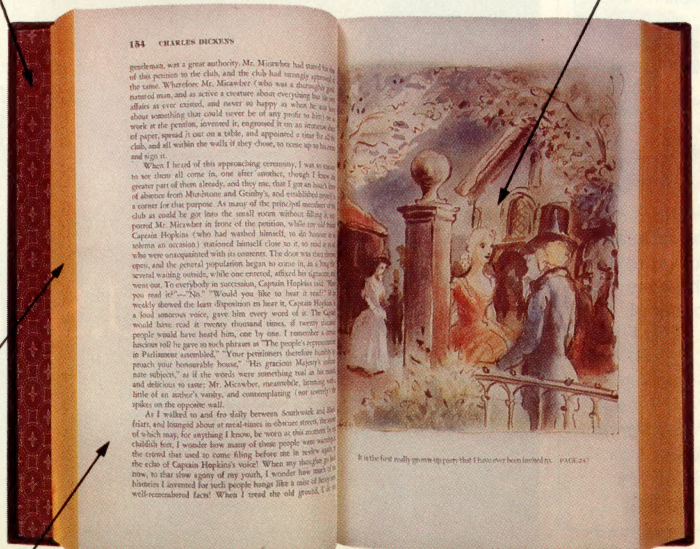
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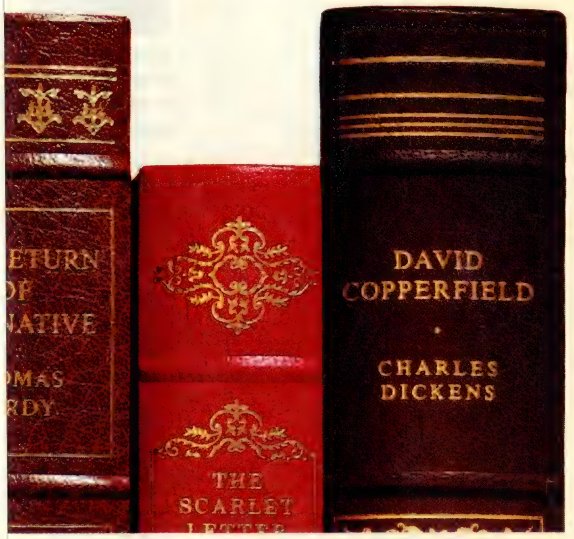
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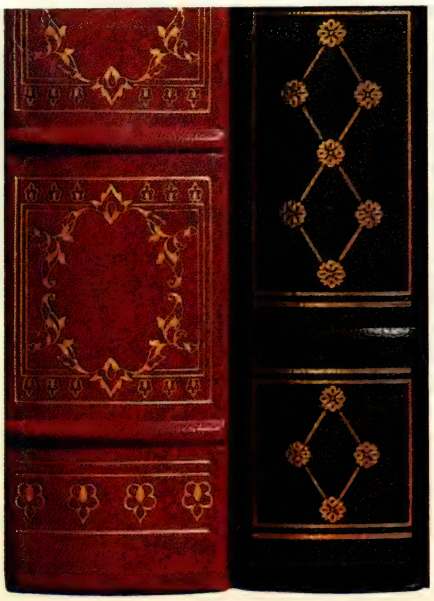
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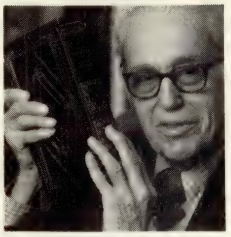
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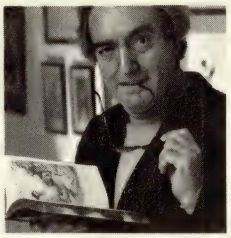
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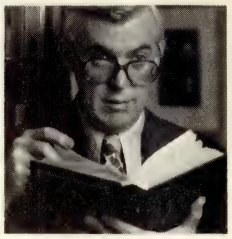


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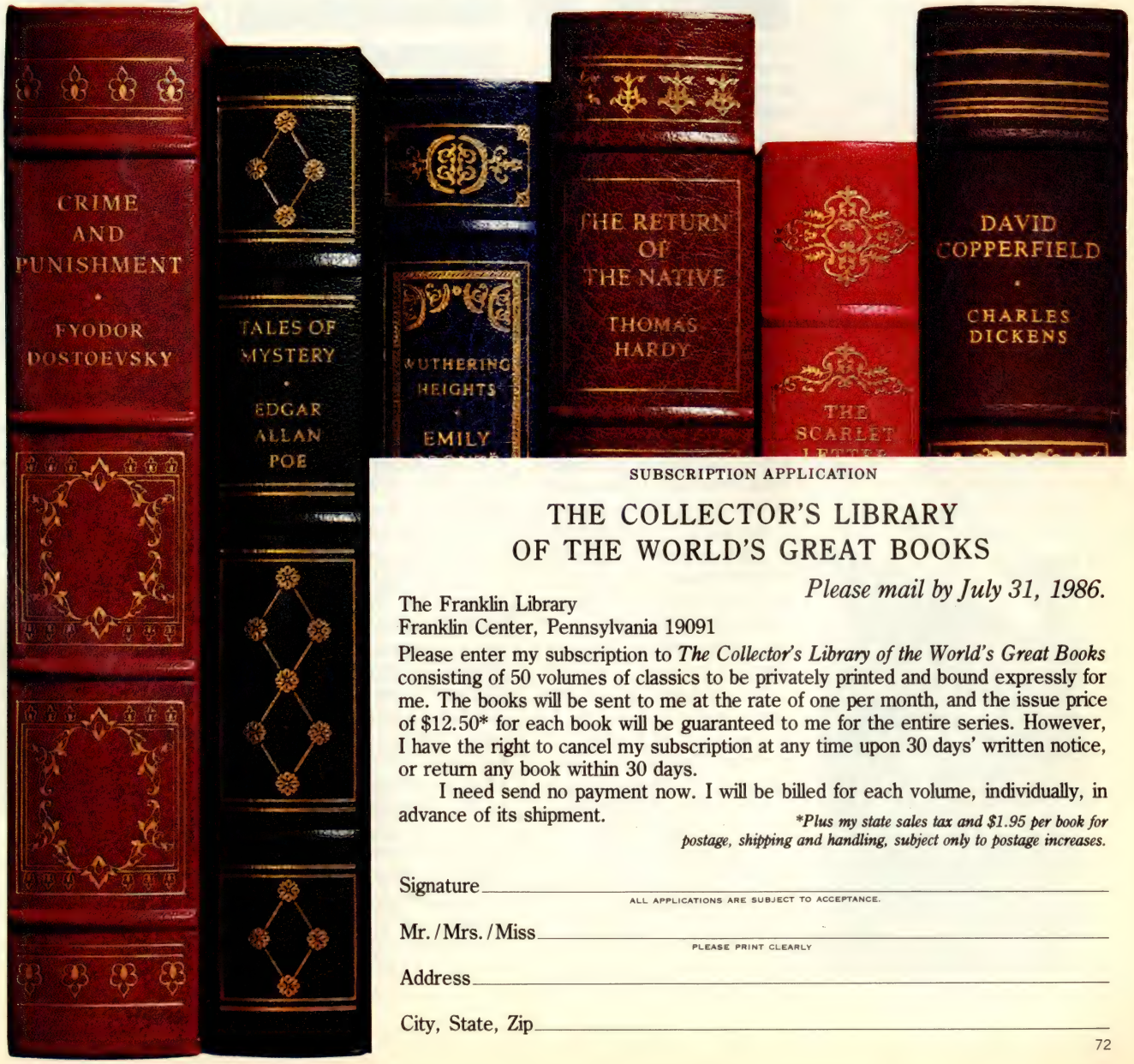
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GAMEBITS

EDITED BY CURTIS SLEPIAN

TO BEE OR NOT TO BEE

To learn all about the beards and the bees, make a beeline for the University of Delaware, where this August 7 the sixth annual Bee Beard contest will take place.

The contest was started in 1980 by Bob Harvey, a beekeeper from Monroeville, New Jersey, as part of the Easter Apicultural Society's yearly conference. "Bees get a lot of bad publicity," says Harvey, and the contest is a way to show they are friendly and nonaggressive.

Contestants, who must be apiarists, are composed of two-person teams—one who wears the "beard" and one to be the "barber." While the volunteer sits on a stool with a queen bee caged under his chin, the barber releases worker bees from the queen's hive. Drawn to her scent, they cluster around her cage to protect her, and as they do, the barber sculpts them with a small card into a thick beard, complete with mustache and sideburns, on the face of his partner. Bee beards take only a half hour to apply and are removed with a vacuum cleaner.



BARRY L. ZECHER (2)



These brave souls (above and below left) had bees everywhere but in their bonnets.

The beard wearer's job may seem hairy, but it's quite safe. Before the contest, the bees are glutted with honey, rendering them virtually stingless and flightless.

At last year's contest, held at Franklin & Marshall College, in Pennsylvania, 12 teams representing states from Florida to Maine competed. The prize for best beard went to Stephen A. Conlon, of New Martinsville, West Virginia. Runner-up was bearded lady Dottie Harvey, who is "not nervous at all" about this tonsorial technique.

But what set beekeepers abuzz last year was the achievement of Dottie's nephew, Max Beck, a 22-year-old film major at Pennsylvania State University. He more than tripled the previous Guinness Book of World Records mark by allowing himself to be covered from head to toe by 70,000 bees weighing collectively about 20 pounds.

"They became like clothes, just hanging there," said Beck. "They don't feel itchy, and their abdomens are so full of honey they can't turn around and sting you. That would be like trying to touch your toes after a big dinner."

Beck had hoped to get his film of the event on *Late Night With David Letterman*. He got on, but his film didn't. No doubt it was just a "B" movie.

—Mark Danna

FLIGHTS OF FANCY

And you thought Diplomacy took a long time to finish. Recently, Trans World Airlines announced the winner of a contest that began 31 years ago.

Held in 1955 to honor TWA's 30th anniversary, the "Cosmic Contest" asked people boarding TWA flights to speculate on what commercial aviation would be like in the year 1985.

More than 13,000 passengers entered the contest, hoping for the $50,000 first prize. Their predictions were stored on microfilm until the end of last year.

Most entrants' visions of the future leaned toward fantasy, such as atom-powered rocket planes that could be used for weekend jaunts to other planets. Wilder still was an airplane fuel that entrant F. Wilford described as "an extraction from Humidity and Sunshine."

Anticipating deluxe first-class service, Susan Blake predicted planes would have a "ball room, game room, a swimming pool, and a tennis court" and would take off vertically "like a pogo."

Another prognosticator, Catherine Hall, saw passengers enjoying "interesting films shown while en route." Some say this may yet come to pass.

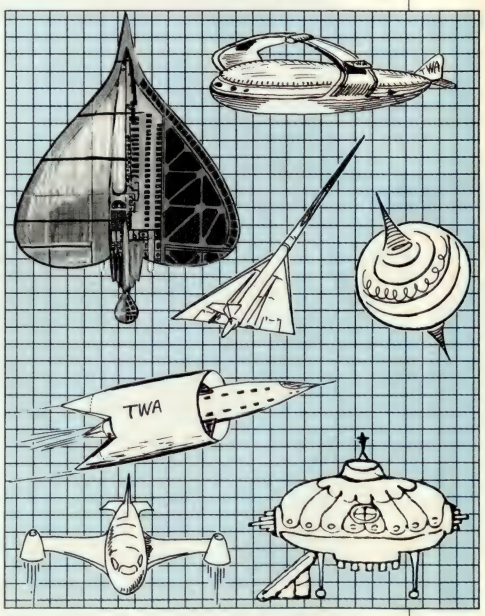
The winner of the grand prize was 80-year-old Helen L. Thomas, who, when contacted by TWA, didn't even recall entering the contest.

In the future, said the prescient Thomas, commercial aircraft would have ranges of about 5,000 miles and would cruise at speeds of 700 m.p.h.

She added that atomic power would prove impractical for propelling aircraft, and accurately anticipated the use of helicopter shuttles and weekend vacations to distant cities.

She also foresaw that flattery wouldn't hurt her chances at winning. She concluded her entry by saying, "TWA will take the lead in making it possible."

—Neil Steinberg



Sky kings: Some contestants made pictorial predictions.

HOLMES SOLVES ANOTHER MYSTERY

If what bothers you the most about seeing a mystery play is resisting the temptation to tell people how it ends, then *The Mystery of Edwin Drood* should offer some relief. Your friends won't hate you for revealing the ending of this one, because when they see it, chances are it won't be the same ending.

That's because, in the murder mystery musical currently playing on Broadway, the identity of the murderer is newly selected at every performance. How? Democratically, of course, by audience vote.

The show is based on Charles Dickens's last book (of the same name). "The book was ideal for adapting to a musical," says Rupert Holmes, the 39-year-old singer-songwriter-record producer who wrote both the words and the music for the show, for which he was awarded a special Edgar—a coveted prize for mystery writers.

"*Drood* is one of Dickens's most compact works in terms of scene changes," he says. "And there were so many musical elements already in it." One of the main characters is a choirmaster, another is a singer.

What made it less than ideal for adaptation was the fact that Dickens died before finishing the novel and disclosing the name of the murderer. Undaunted, Holmes created not one but several endings, allowing, among other things, for any of seven different characters to be the culprit. When the show comes to a halt in the middle of a song-and-dance number, the audience is told, "This is where Mr. Dickens laid down his pen forever," and is asked to vote on issues that will determine the ending.

One such issue is the identity of the mysterious Dick Datchery, a bearded detective, who, if the audience so decides, may be any one of the other characters in disguise. Audience members then vote on the murderer's identity, and later select a pair of lovers for a final duet. While applause determines who the lovers and detective will be, votes for the murderer are taken by a show of hands counted individually by 10 cast members and tabulated backstage. This way, the audience can't know whodunit until the end of the show.

With six different possible characters who may be disguised as Datchery, seven potential murderers, and 36 possible lover combinations singing one of 36 possible duets, Holmes concedes that, for performers, there are a lot of parts to memorize.

Indeed, Holmes had a real scare recently when one of the play's more amiable characters was elected murderer for the first time, after six months of performances. "I'm sure he hadn't reviewed his confession in a while. We'd all given up hope of it ever happening." The actor, though, managed to get through the part without mishap.

Is there anyone who has never been chosen murderer? The only character with that honor is John Jasper, an out-and-out villain who harbors clear hatred for the murder victim. "Audiences know their mysteries," Holmes explains. "They've seen *Murder, She Wrote*. They know it's never the most likely suspect."

—Minda Zetlin



MARTHA SWOPE

The audience has a Dickens of a time deciding who's guilty.

LOW VOLUMES

Searching for that perfect book to take to the beach this summer? How about *Full Revelations of a Professional Rat-catcher after 25 Years' Experience*? You prefer fiction? Try *We All Killed Grandma*.

These are among the ludicrous but real titles collected by Russell Ash and Brian Lake in *Bizarre Books* ($13.95, St. Martin's Press), along with a few literary curiosities, such as strange dedications (*Venereal Disease and Its Prevention*: "To my wife this book is affectionately dedicated.")

Below are a few of the titles culled from *Bizarre Books*, along with a phony one we've created. Can you tell which one never went to press? —C. S.

The Biochemist's Songbook
How to Boil Water in a Paper Bag
Animals as Criminals
Grow Your Own Hair
The Story of a Parakeet Without a Conscience
Jokes Cracked by Lord Aberdeen
The Romance of Leprosy
Swine Judging for Beginners
I Knew 3,000 Lunatics
An Irishman's Difficulty With the Dutch Language

ANSWER, PAGE 59

THE GLAZED LOOK

One night while winning at Monopoly, Tim Papadeas had a revelation: Not only was the game going beautifully, the game *was* beautiful. The money, deeds, tokens, dice, and board looked so aesthetically pleasing, he thought they would make a perfect wall hanging. From that on-the-wall idea was born Game Glazers, a company that transforms board games into playful works of art.

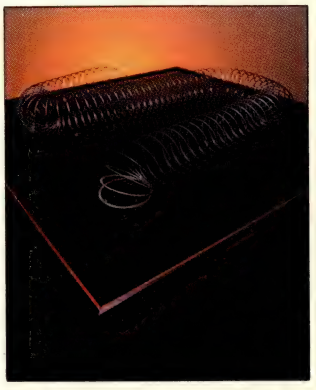
After months of experimentation, the 26-year-old Papadeas learned how to freeze the action in midgame: First, glue the pieces down, spread epoxy resin over the entire surface, add a black paper backing, then mount it all on an Italian lacquer frame.

Success with Monopoly led to glazed versions of Trivial Pursuit, Pente, Parcheesi, Slinky, pick-up-sticks, dominos in mid-tumble, and a winning blackjack hand.

Prices range from $59 to $199. The 50 Year Commemorative Edition of Monopoly goes for $238. For an additional fee, Game Glazers will personalize a game. One young man ordered a customized Scrabble board that spelled out a marriage proposal to his girl friend. She accepted.

If you're game, contact Game Glazers, Inc., 1448-G Volusia Ave., Daytona Beach, FL 32014, or call (904) 257-1860.

—Mark Danna



Slinky captured in mid-slink.

Grand Prize
A home video camera and recorder
Four First Prizes
See opposite page
25 Runner-Up Prizes
A GAMES T-shirt

CALCULATRIVIA IV



★★★

$$d - \frac{(g + m)^a}{n - k} + \sqrt{j\,(e + r)} \Big/ f^{(b - q)}\left(\frac{p - c}{h}\right)$$

G = A · M · E · S

DOUG TAYLOR

Clip or copy this entry blank and mail to: **Calculatrivia IV, GAMES, 1350 Avenue of the Americas, New York, NY 10019.**

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Enter me in the category checked:

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After an absence of five years, the diabolical Calculatrivia has resurfaced. And this time, bold solvers can try to earn a first prize in any of four categories—(A) Arts & Entertainment, (M) Math & Science, (E) Earth History & Geography, and (S) Sports & Games—or valiantly go for the grand prize by combining all four parts into the (G) General category.

To enter any one of the four categories, find the values that answer the 15 questions in that category, and then use those answers to find the value (A, M, E, or S) for the mathematical expression shown in the large box above. List your answers to the 15 questions in the appropriate column of the entry blank, and write the value of the expression on the appropriate line at the bottom. (Note that *the same expression* is used for each of the four specialized categories.)

To enter the General (G) category, list the answers to all 60 questions in the corresponding spaces of the entry blank, as well as the values for A, M, E, and S, each determined as explained in the previous paragraph. Then calculate G (the product of A, M, E, and S, as shown in the small box above) and write the result in the appropriate blank.

In determining the unknowns, do not strain to find unusual ways to interpret any of the questions. Some may be difficult, but in each case the answer we believe to be correct is the most literal and straightforward one. In addition, please observe the following rules:

1. Do not round off any numbers unless specifically instructed to do so.

2. Where a square root appears, evaluate it as the positive square root only. Throughout the expression, standard mathematical usage is in effect.

3. The values for G, A, M, E, and/or S that appear on your entry blank must be expressed in simplest form. If your answer were 10/5, you would write it as 2; if your answer were 10/4, you would write it as 2 ½ or 2.5.

4. The winning entry for each category will be the one that correctly states the value for the appropriate letter (G, A, M, E, or S). If, for any category, no entry correctly states this value, the entry with the greatest number of correct values for the unknowns in the category (of which there are 15 each for A, M, E, and S, and 60 for G) will be the winner. In all cases, ties will be broken by random drawing.

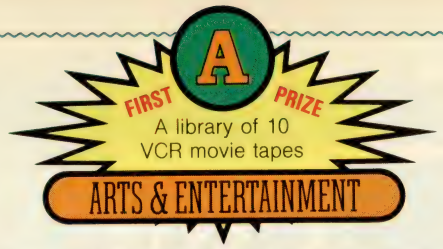
5. Please do not call us with questions of interpretation.

How to Enter Fill in the entry blank or a facsimile, and check the box that corresponds to the category answered. Include the values of all unknowns in the category in which you are entering. You may enter any of the categories as many times as you wish, but each entry to each category must be mailed under separate cover. Entries submitted by hand or by phone will not be accepted.

Important On the back of your envelope, write the letter (G, A, M, E, or S) of the category in which you are entering *and* the value of that letter listed on your entry blank. —M. S.

Entries must reach us no later than August 25, 1986.

The idea for a five-part Calculatrivia was submitted by Michael Varn, who also wrote many of the questions.



a = Number of watch faces visible in Dali's *The Persistence of Memory*
b = Value in shillings of the money Dr. Caius claims was stolen from him, in Verdi's *Falstaff*
c = Number of fish caught when Simon Peter "drew the net to land full of great fishes"
d = Shire Reckoning year in which Frodo Baggins was born
e = Number painted on the conning tower of the Nazi submarine on which Indiana Jones hitches a surreptitious ride, in *Raiders of the Lost Ark*
f = Number of Shakespeare plays including a character named Antonio
g = Number of songs with titles beginning with the word "Mr." that have reached #1 on Billboard's Hot 100 chart before 1986
h = Köchel number of Mozart's Serenade for Winds in E-flat Major
j = Total number of Tribbles in Space Station K-7's storage compartments, according to Spock's calculation, in the *Star Trek* episode "The Trouble with Tribbles"
k = Number of the night on which Scheherezade begins telling the tale of "Alaeddin; or, the Wonderful Lamp," according to Sir Richard Burton's translation of *The Arabian Nights*
m = Amount in dollars of Curly's winning bid for Laurey's picnic basket in the play *Oklahoma!*
n = Total number of people depicted in Whistler's *Arrangement in Grey and Black #1*
p = Year of composition of the Sousa march that served as the theme music for *Monty Python's Flying Circus*
q = Number of the Manhattan police precinct for which Chris Cagney and Mary Beth Lacey work
r = Chapter of *Alice's Adventures in Wonderland* in which the Mock Turtle sings "Turtle Soup"



a = Beaufort scale reading of a five-knot breeze
b = Sum of the cubes of the first six positive integers
c = Weight, to the nearest whole metric carat, of the Cullinan diamond when discovered in 1905
d = Duration in minutes, to the nearest whole minute, of Yuri Gagarin's 1961 Vostok I flight
e = Hardness of the mineral galena on the Mohs' Scale
f = Distance, to the nearest parsec, from Earth to the star around which the title planet of *Forbidden Planet* revolves
g = Number of bones in the human hand, including the wrist
h = Number of atoms in a single molecule of NutraSweet
j = Number of gills in a fluid dram
k = Atomic number of the metallic element that melts at –38.87° C
m = Time, to the nearest Earth day, it takes Mars to make one complete orbit of the sun
n = Next year in which Ash Wednesday will fall on February 29
p = Decimal equivalent of the hexadecimal BAD
q = In the U.S., the pitch of the A above middle C, in hertz
r = Number of faces of the polyhedron called the "snub cube"



a = Number of South American countries through which the Equator passes
b = Number of stripes on the national flag of Malaysia
c = Number of laws in the Code of Hammurabi
d = Number of letters in the Arabic alphabet
e = First year of Queen Victoria's reign
f = Number of European countries sharing a border with Austria
g = Year Charlemagne was named Emperor of the West by Leo III
h = Year that KDKA became the first radio station to begin regular scheduled broadcasting
j = ZIP code of the White House
k = Population of the United States, from the first census, according to the U.S. Bureau of the Census
m = Year of the famous San Francisco earthquake
n = River flowing near the town of Hopkins, Missouri
p = Number of chests of tea thrown into Boston Harbor by colonists on December 16, 1773, according to *The Reader's Encyclopedia*
q = Duration in seconds of Orville Wright's first flight at Kitty Hawk, on December 17, 1903
r = Number of signers of the Declaration of Independence who were born in the British Isles



a = Number of suspects in the board game Clue whose last names begin with the letter P
b = Height in inches of a standard tenpin bowling pin
c = Uniform number retired by both the Pittsburgh Pirates and the Milwaukee Braves
d = Number of seasons in which Wilt Chamberlain was the top scorer in the NBA
e = Diameter in inches of a ball in the English version of snooker
f = Number worn by Seattle Slew when he won the Belmont Stakes, completing the Triple Crown
g = Number of the Wheel of Fortune card in a standard tarot deck
h = To the nearest whole point, Greg Louganis's score in the platform diving competition of the 1984 Summer Olympic Games
j = Number of games Bobby Fischer, while playing the black pieces, won against defending champion Boris Spassky during the World Chess Championship in Reykjavik, Iceland, in 1972
k = Total number of baseball games cancelled in 1981 due to the major league players' strike
m = Maximum number of squares a dragon king can attack in the game shogi
n = Total number of points scored by the Dallas Cowboys in all their Super Bowl appearances
p = Mortgage value, in dollars, of Baltic Avenue in the game Monopoly
q = Score for taking the menel in a trick in the game of klabberjass
r = Score for a rouge in Canadian football

BY VIRGINIA C. McCARTHY



The Four Elements

EARTH ★

Three astrology buffs named Marsha, Forrest, and Tundra were born under the earth signs Taurus, Virgo, and Capricorn. Each is the proud owner of a plot of land—a peat bog, a gravel pit, and a tobacco field.

When Marsha goes with the Capricorn to visit the owner of the gravel pit, Tundra and the owner of the peat bog (who is not a Virgo) often make a big batch of granola for themselves and the Taurus.

Can you match the three friends with their astrological signs and land holdings?

AIR ★★

Dinah, Denise, Danny, Donna, Tonya, Tony, and Toby are given to livening up humdrum workdays in the mailroom with gossip about their fellow employees at Aeroplatz Industries.

On a certain Monday one of them began the day by whispering a choice tidbit to a co-worker, who, when the chance arose, slyly passed it on to another co-worker, and so on, until all seven had heard the story. The person being talked about, Helen, had become Ella by the end of the process, and her name had been changed at least one other time along the way.

Tonya, upon hearing the story, rushed over to Tony and, *sotto voce*, said, "Do you know the latest about Helen?" Disappointed to learn that he already did, Tonya moved on and told Danny all about Helen. When a nasty bit about Ellen was whispered to Donna, Donna promptly passed on something even nastier about Ella to one of the men—who soon related what he'd heard to another waiting ear. Denise was not the last to hear the story.

Can you now reconstruct the who-told-whom order of the gossip chain?

FIRE ★★★

In a fit of sternness, the management at the Tinn Cannery fired six employees (a parer, weigher, labeler, taster, loader, and unloader) in the course of a single week. Tension mounted as the chosen were shown the door, each accused either of clumsiness, forgetfulness, nosiness, rudeness, sloppiness, or tardiness. The ousted six—Defft, DeScreet, Earley, Neet, Sharpe, and Swahv (whose names might or might not reflect their character and abilities)—were notified at various times from Monday through Friday.

From the following clues, find who was fired from what position, when, and for what cause.

1. On Monday Earley witnessed the firing of two of his friends—one was a taster, the other was accused of sloppiness—and suspected (wrongly) that he would be the next to go.
2. The firing of Swahv, who was renowned even by the management for his elephantine memory, came after Sharpe's and before the labeler's.
3. On Wednesday an unloader, who had previously felt under no threat of losing his job, was given the axe.
4. Neet and the weigher were both canned on the same day.
5. The stated cause for Tuesday's firing was forgetfulness.
6. Neither DeScreet's firing nor the accusation of rudeness occurred on Monday.
7. Defft and a notoriously nosy individual were both given notice on Friday.
8. The parer was given the pink slip for alleged clumsiness.

WATER ★★★

One fine day Abe, Ben, Chuck, Dale, and Ed piled into a van with their dogs (Chaser, Lopes, Paddles, Tracker, and Trotter) and set out for a picnic by the Otiose River. After picnicking to their satisfaction, they decided to hold a pair of swimming races—first the men, then their dogs—across the Otiose and back. There were no ties in either race, and the men (Messrs. Baye, Lake, Pond, Poole, and Tarn) distributed the prizes as agreed. The winner of the men's race was treated to a prime rib dinner by the losers; the top dog received a rawhide bone, and the runner-up dogs were consoled with, in order of finish, a giant, large, medium, and small dog biscuit.

From the hints given below, can you match the men (by full name) with their dogs, and find the final rankings in both races?

1. Baye's dog, who outranked his master, won a giant-sized dog biscuit for coming in second.
2. Tracker garnered the large dog biscuit.
3. Pond, who did not place last in the men's race, presented the rawhide bone to his dog.
4. In the human contest Chuck fared better than Poole; in the canine race Chaser outdid Ed's dog.
5. Lopes, whose master won the prime rib dinner, got only a small biscuit for his efforts.
6. Dale and his dog Paddles both had the same ranking.
7. Abe did not win the prime rib dinner, but he placed higher than both his dog and his friend Tarn.

ANSWERS, PAGE 59

THOMAS THORSPECHEN



We're looking for people to write children's books

By Alvin Tresselt,
Dean of Faculty

"Writing for children is the perfect way to take up writing," says the author of 53 children's books. "Your ideas come right out of your own experience. And while it's still a challenge, it's the straightest possible line between you and publication—if you're qualified to seek the success this rewarding field offers."



This old mansion deep in the Connecticut woods has been the home of this workshop for new writers since 1969.

IF you want to write and get published, I can't think of a better way to do it than writing books and stories for children and teenagers. Ideas flow naturally right out of your own life experience. While it's still a challenge, the odds of getting that first unforgettable check from a juvenile publisher are better than they are from any other kind of publisher I know.

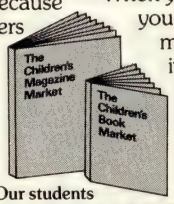
Later on, you may get other checks from other publishers. But right now, the object is to begin—to break into print—to learn the feeling of writing and selling your work and seeing your name in type. After that, you can decide if you want your writing to take another direction.

But after 30 years of editing, publishing, and teaching—and 53 books of my own—I can tell you this: You'll go a long way before you discover anything as rewarding as writing for young readers.

Your words will never sound as sweet as they do from the lips of a child reading your books and stories. And the joy of creating books and stories that young people "really like" is an experience you'll never have anywhere else.

A surprisingly big market

But, that's not all. The financial rewards go far beyond most people's expectations because there's a big market out there for writers who are trained to crack it. More than 130 million young people's books are purchased each year. As many as 2,500 new titles appear annually and new authors account for up to half of them.



Our students learn where to sell their writing with our exclusive publishers' lists.

There are also 250 monthly magazines looking for material for young readers. You can imagine how much writing it takes just to keep them going! Yet two big questions bedevil nearly every would-be writer. "Am I really qualified?" and "How can I get started?"

"Am I really qualified?"

This is our definition of a "qualified person": It's someone with an aptitude for writing who can take constructive criticism, learn from it, and turn it into a professional performance. That's the only kind of person we're looking for. The reasons are simple: Our reputation is built on success, and if prospective students don't have the earmarks of success, we probably can't help them. And we tell them so. It's only fair to both of us.

To help us spot potential authors, we've developed a revealing test for writing aptitude. It's free, and we don't charge for our evaluation. But no one gets into The Institute without passing it. Those who pass and enroll receive our promise: You will complete at least one manuscript ready to submit to a publisher by the time you finish the Course.

Learn one-to-one with your own instructor

I've learned a lot about writing for children and I love it. Now I'm passing my knowledge on to my students so they can profit from it. When I'm not writing my own books, I spend my time at The Institute of Children's Literature, a workshop for new writers that does one thing and does it better than any other educational institution I know of: It trains qualified people to write for the young reader.

This is the way I work with my students, and my fellow instructors—all of whom are experienced writers or editors—work more or less the same way.

Learn at your own pace

When you're ready—at your own time and your own pace—you send your assignment to me and I read it and I reread it to get everything out of it you've put into it.

Then I edit your assignment with a red pencil just the way a publishing house editor would—if he had the time. I return it along with a detailed letter explaining my comments. I tell you what your strong points are, what your weaknesses are, and just what you can do to improve. It's a matter of push and pull with each assignment. You push and I pull and between us both, you learn to write.

"Now...I am a writer!"

This method really works. I wouldn't spend five minutes at it if it didn't. The proof of the pudding is that many students break into print even before they finish the Course. We receive hundreds of letters like these from students: "Before taking your Course, the short stories I scribbled for my two tiny tots never caught an editor's fancy," writes Emily Burns of Salem, OR. "My first sale, to *National Catholic Weekly*, was a Course lesson. Then I sent another Course assignment to a writer's competition and won first prize of $400!"

Della Domangue, of New Orleans, LA writes: "Having taken several writing courses, I can truthfully say yours was the best. My instructor's personal comments, suggestions and encouragement were invaluable. I also learned the joys of...editors answering you personally."

Marilyn Day of Marissa, IL says, "Now I'm no longer a housewife, I am a *writer!*"

And Mary Carruth, Dublin, CA, writes, "I sent out my first article with a prayer and it was accepted. Your Course, with its structure and support, has been everything I hoped for."

"When I started, I did not really think I had the ability," writes Sister M. Laetitia Mudde, West Haven, CT. "But my instructor made me believe in myself." *

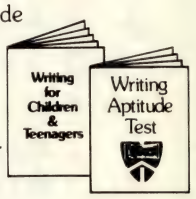
I have a file full of similar letters: People like yourself so full of pride they could easily convince you that it is a pity more people don't take up writing for children.

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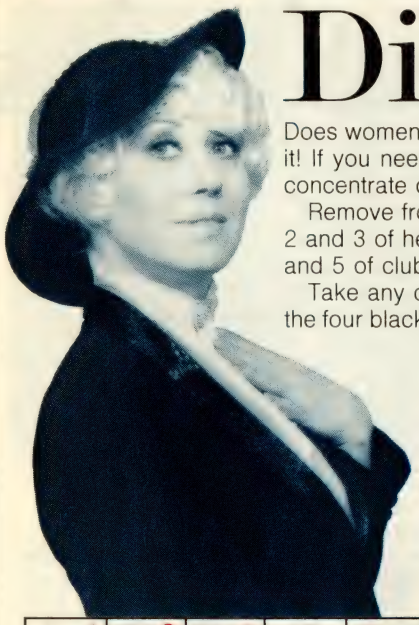
Approved by the
Connecticut Commissioner of Education

Copyright ©The Institute of Children's Literature, 1985

Alvin Tresselt was Vice President and Executive Editor of Parents' Magazine Press, the first editor of *Humpty Dumpty's Magazine for Children*, and a board member of the Author's Guild. His 53 books for young readers have sold over two million copies.

* The testimonials in this ad were provided without remuneration and voluntarily by The Institute's students between 1982 and 1985.

BY DIANA THE ENCHANTRESS



Diana's Intuition

Does women's intuition really work? You better believe it! If you need proof, get a deck of playing cards and concentrate on the following directions.

Remove from the deck the ace and 2 of spades, the 2 and 3 of hearts, the 3 and 4 of diamonds, and the 4 and 5 of clubs. These are the only cards you'll need.

Take any one of the four red cards, and any one of the four black cards, and lay them aside face down.

Mix up the remaining six cards, and place them face down in front of you. Now put your finger on either the large K or the large Q below. (I'll know which one you choose.) Turn over the top card and move your finger the number of spaces indicated by the face value of the card (ace counts as 1) in the direction indicated by the suit: spades left, diamonds up, clubs right, or hearts down. When you're done, turn over the next card and move your finger as indicated by *that* card, starting from your new position. Continue turning over cards and moving your finger until you have used all six cards.

Your finger now rests on a space showing the identity of two cards. I know what cards they are, of course. If you don't trust my intuition, take a look at the Answer, page 64.

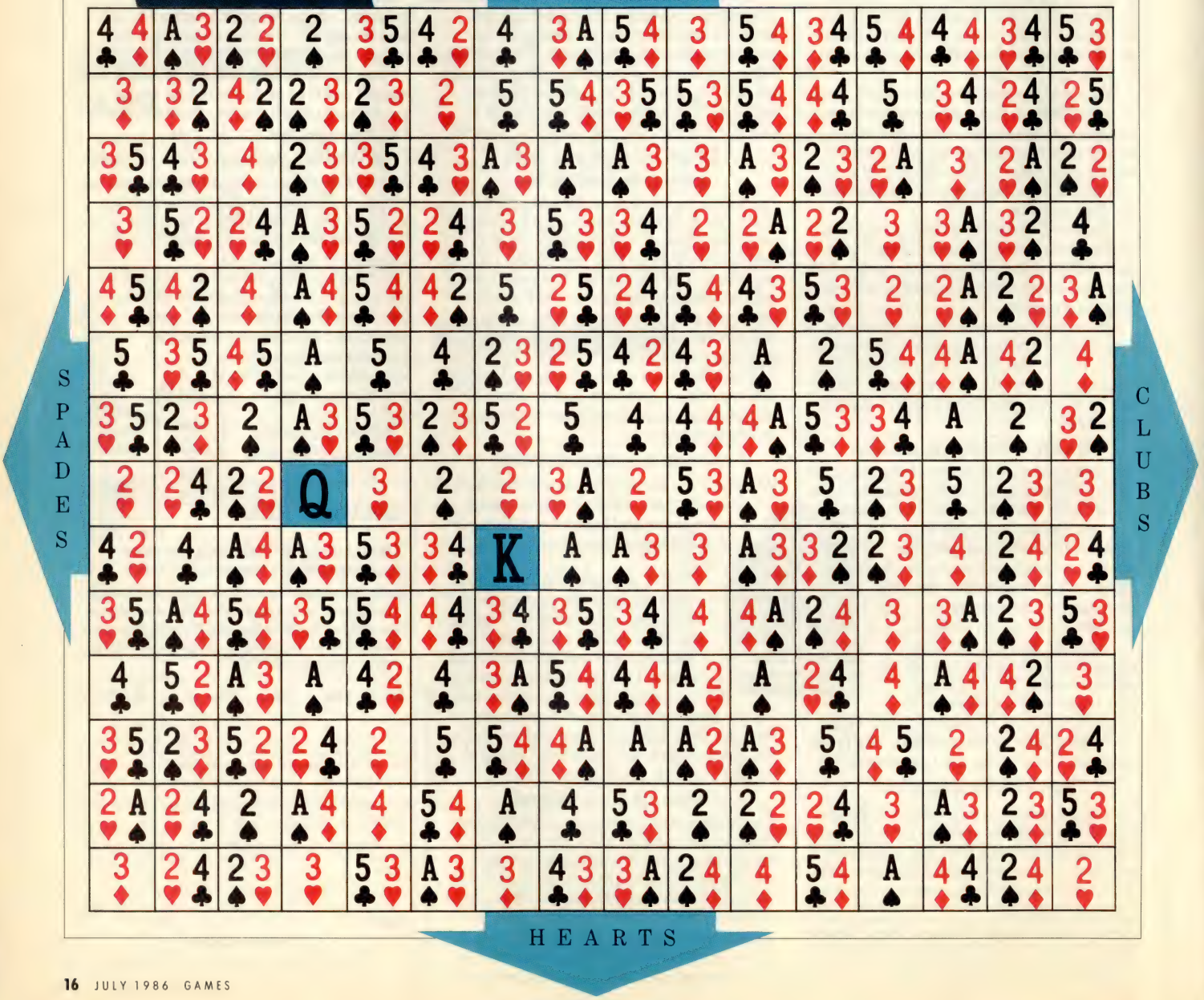
Diana the Enchantress, a.k.a. Diana Zimmerman, is a popular magician and president of Magic Castle Productions of Los Angeles, California.

DIAMONDS

SPADES

CLUBS

HEARTS



FROM THE PAGES OF GAMES



Wacky Wordies

GAMES readers began sending us these little typographic word pictures in 1979, and they haven't stopped. By popular demand, we've collected them all in one volume. Warning: They're not all as easy as they look—and, they can be addictive! $4.95

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seeing the light

PLAYFUL DISCOVERIES FROM THE EXPLORATORIUM

PHOTOGRAPHS BY WALTER WICK

PLEASE TOUCH. That's an unexpected request at a museum, and it's precisely that request that makes the Exploratorium such an informal, noisy, and successful science museum. Visitors are encouraged to touch, probe, and play with the exhibits to their hearts' content.

Located in the Palace of Fine Arts in San Francisco, the Exploratorium was founded in 1969 by Dr. Frank Oppenheimer, a physicist who believed that the best way to learn about science is to actively make discoveries about how the natural world works.

And people are nothing if not active at the Exploratorium. Swarming eagerly among its 600 exhibits, visitors press buttons, turn knobs, and manipulate equipment to produce effects that delightfully and memorably illustrate the principles of sight and sound, light and shadow, illusion and reality.

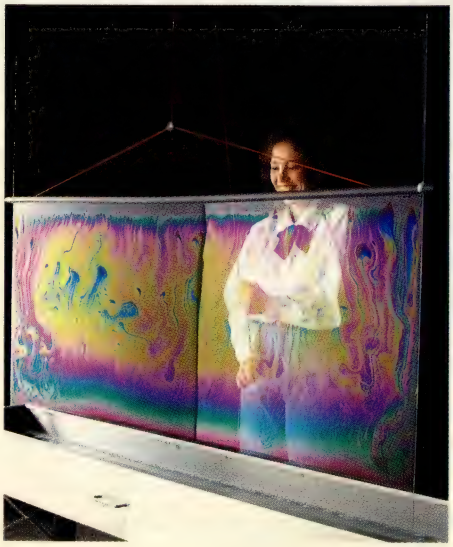
Last spring, 83 Exploratorium exhibits dealing with perception were commissioned for the IBM Gallery of Science and Art in Manhattan. Beginning in July, these exhibits will be on display at the New York Hall of Science, in Queens, New York.

Appearing here and on the following pages are some of the most playful exhibits from the IBM Gallery.



Right It took considerable reflection to create an exhibit called "Recollections." Standing in front of a gray wall composed of tiny glass beads, spectators face a video camera and a bright light. The light shines on the wall and is reflected by the beads back to the camera—but where the spectators block the light, the camera records only a shadow. A computer instantly manipulates the shadow shapes and adds color, then projects the result on a screen.

Below Slowly pulling up a rod dipped in soapy liquid produces an ever-lengthening film of soap. White light reflecting off the back and front of the thin surface breaks into shimmering colors, which change as the film becomes thinner.









Right If you think this is a cluster of boxes, you're a cubic rube. Despite appearances, these "cubes" are really three-sided figures whose lines point in, not out. The illusion is created in part by one's assumption that the shapes are lit from above, illuminating the top outside surface. In actuality, as can be seen in the picture on the far right, the light comes from below, illuminating the top *inside* surface of the three-sided figure. By blinking, you can make the boxes shift from convex to concave and back again.









Above Jumping Jehosaphat! The secret behind the floating man is that he's partly hidden behind a mirror. The right half of his body is the real thing, the left half a reflection. When he raises his right leg (with his left leg tucked behind the mirror), the symmetrical mirror image makes it appear that both legs are off the floor. In the picture on the right, the subject is seated on a stool completely behind the mirror. Turning his body sideways, he sticks out his arms and legs to create a baffling illusion.



Right Alice had to travel to Wonderland to find ways to shrink and grow at will. We can do it by entering this room, whose construction makes a person's size appear to change while he or she moves from one part of the room to another.

Can you figure out how the illusion is created? And can you determine the true relative heights of the three people? ANSWER, PAGE 58





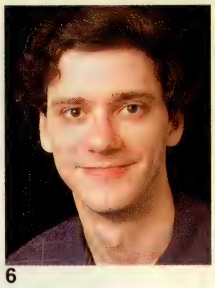

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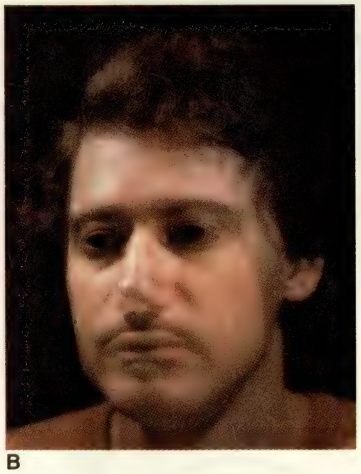

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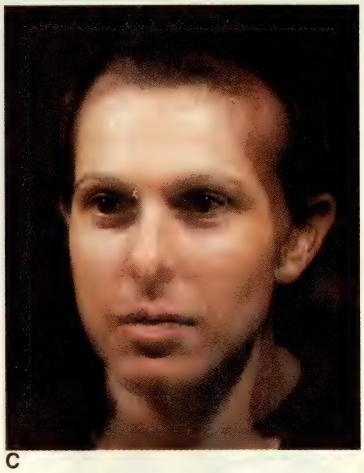

4


5


6


A


B


C

Above In an exhibit called "Everyone Is You and Me," you can try on a friend's nose and ears as easily as you can his shirt and shoes. Here's how it works: Two people sit on opposite sides of a special glass that is both a mirror and a window—it reflects and passes equal amounts of light. On each side of the glass are two lights. When one person's face is lit more brightly than the other, his face is seen more clearly by both people. If the lighting is equal, both faces reflect and transmit equal amounts of light, and the faces become superimposed on the glass, creating a strange hybrid image.

The faces of the six people in the top row (1–6) have been blended into three composite faces (A–C). Can you tell which pairs form which composites?

ANSWER, PAGE 58



Above Two facing mirrors, one with peepholes drilled in it, give the illusion of infinity.



Right In this kaleidoscope, one's a crowd. The population of clones is created by three mirrors joined at 60-degree angles. Each mirror reflects the images in the other two mirrors. And so on . . . and so on . . .



BEGUILERS

by Keith Ringkamp

Five visual teasers from our think-and-blink department.

ANSWERS, PAGE 58

★

CIRCULAR LOGIC

Which of the four charm bracelets below does not belong with the other three?

A



B



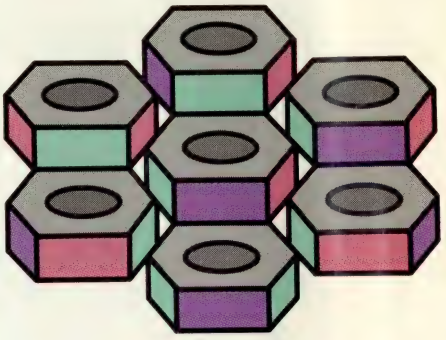
C



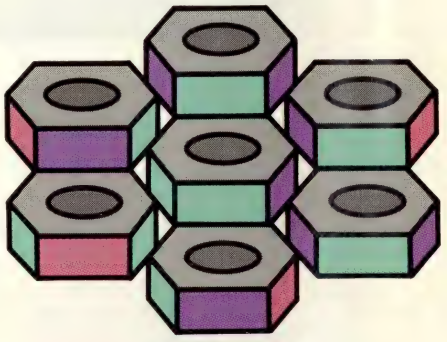
D



VIEW 1



VIEW 2



★★★

GOING NUTS

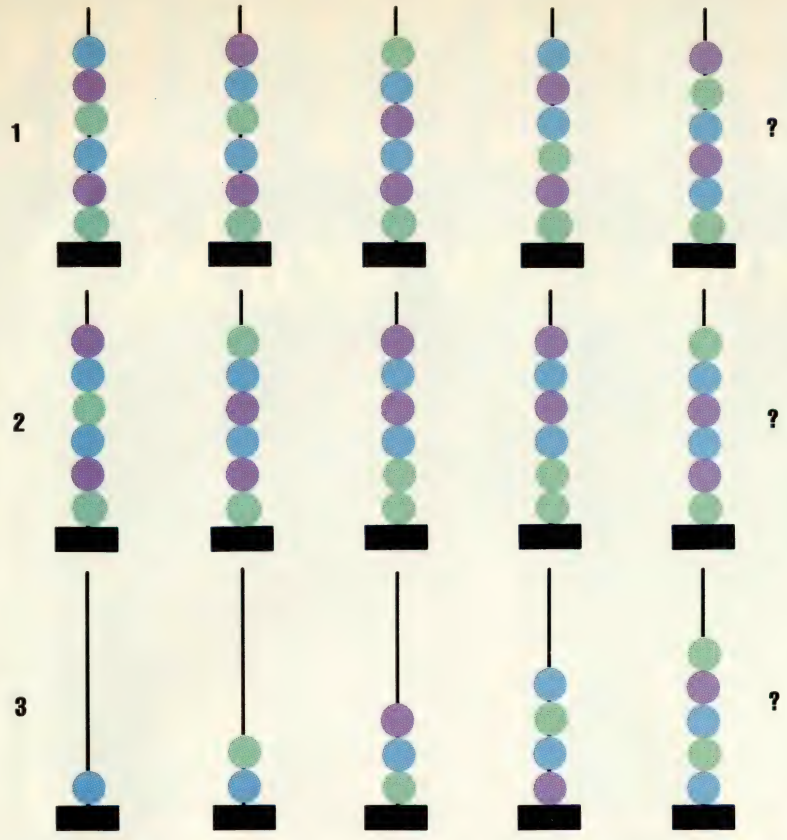
Above are two different views of the same group of nuts. Each nut has two pink sides, two purple sides, and two green sides, not necessarily in that order. Wherever two nuts are next to each other, the sides that face each other are of different colors—with one exception. Can you find the two sides that face each other and match in color?

★★

UNDER LOCK AND KEY

Two arrangements of the same colored locks and keys are shown at right. Each key opens one of the locks, but not necessarily the lock of the same color. In the first arrangement of locks and keys, two locks are paired with the keys that open them. In the second arrangement three locks are correctly paired with their keys. Which key will open each lock?

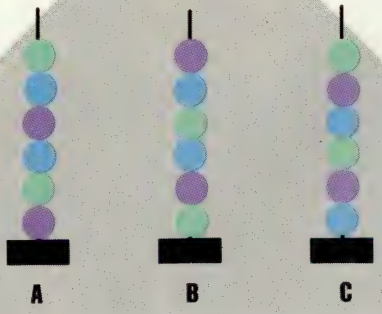




★★

BEADY-EYED

Can you match each sequence of bead stacks with the stack (A, B, or C below) that logically continues it?

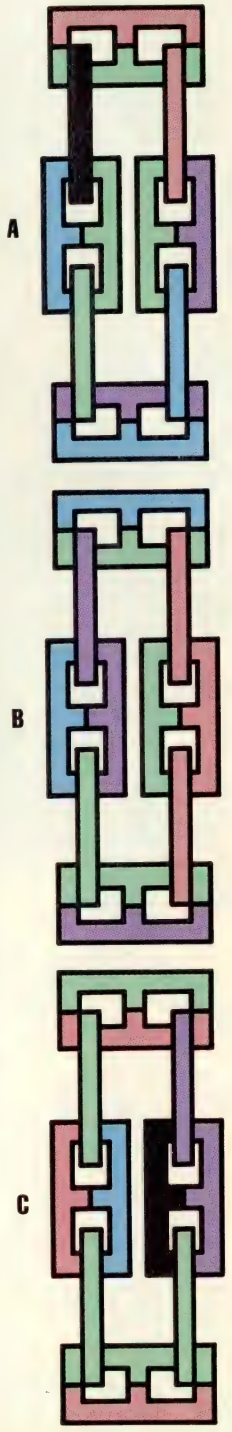




★★★

CHAIN REACTION

Three chains are shown below, each made up of eight links. Each link is half one color and half another. Of the three chains, two are identical but are bent at different places and oriented differently. Which chain does not match?



Keith Ringkamp is a psychologist living in Pennsylvania.

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EDITED BY WILL SHORTZ

PENCILWISE

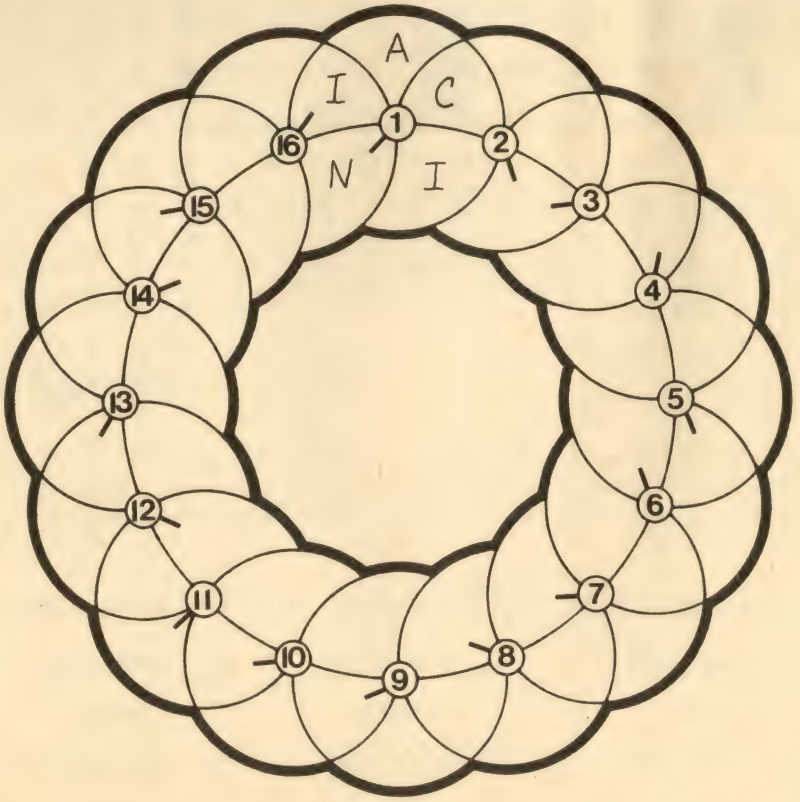


ROUND AND ROUND ★★

BY WILL SHORTZ

Sixteen overlapping plates have been laid in a ring below. Each answer is a word of six or more letters that spins around one of the plates, beginning in the space indicated and proceeding clockwise. The end of each answer will overlap with the front, as the H in HEALTH or the LE in LEGIBLE. The first answer, NIACIN, has been entered for you.

ANSWER, PAGE 61



CLUES

1 B vitamin
2 The Beatles' "___ to Ride"
3 Wood-eating insect
4 Follower of Mohammed
5 "Half" or "full" wrestling hold
6 Perk up
7 Make clear
8 College or parish head
9 Home of the Blue Jays
10 Loyal team fan
11 Roman dawn goddess
12 Ship's turning mechanism
13 Refused, as permission
14 Geniuses
15 Marksman's aim
16 Fix firmly, as habits

MICHAEL McCANN

THE A TEAM ★

BY WILL SHORTZ

An Alphabetic Word Search

Depending on the context, the letter A can represent a grade of eggs, a high mark on a test, a shoe size, a blood type, a New York subway train, an Oakland baseball player, or a former ticket at Disneyland. In the word search puzzle below, A represents every other letter in the word list. Each of the 40 words has been hidden in the grid reading across, down, back, or up, but always in a straight line. Only a puzzle "ace" can find them all.

ANSWER, PAGE 58

```
                    N A
                    A N
                A V A X
                J A V A
              T A R A C A
              A H A H A H
          A T A C A M A F
          M A C A Z A L A
        L A T A B A L A T A
        A R A T A V A N A K
      A S A R A L A Y A L A F
      C A C A M A D A C A M A
    C A N A D A     N A B A G A
    A R A S A R     A M A H A N
  A R A R A T A Q A S A M A H A B
  Y A W A X A N A G A N A R A Ñ A
L A C A H A Y A K A W A R A M A D A
A W A Y A D A R A F A P A J A M A S
    A S A S A S         A Y A H A M
    Y A Y A T A         H A Y A N A
  Z A P A T A             S A L A D A
  A P A L A V             A K A N A W
A M A S A N                 A G A M A C
N A P A J A                 C A B A N A
```

ALABAMA	CANADA	GALAHAD	MAHARAJAH	QATAR
ARARAT	CARACAS	HA-HA-HA	MALAYAN	RAMADA
ATACAMA	CARAT	HAVANA	MAÑANA	RAT-A-TAT
AVATAR	CARAVAN	HAYAKAWA	MARACAS	SAHARAN
BAHAMAS	CARAWAY	JAPAN	NASAL	SALAD
BANANAS	CATAMARAN	LAYAWAY	PAJAMAS	SATAN
CABALA	FARADAY	MACADAM	PANAMA CANAL	YAMAHA
CABANA	FATAL	MADAM	PAPAYA	ZAPATA

LADY'S DAY ★

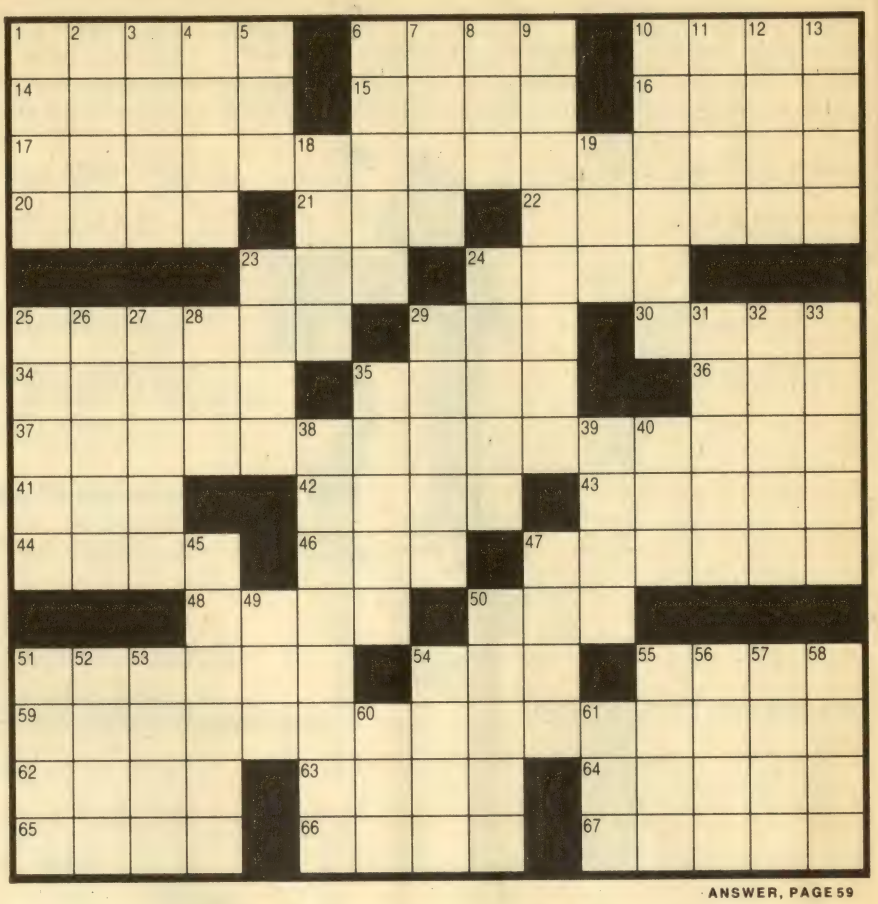
BY CYNTHIA SHIPLEY

ACROSS

1 Bouncy kids' game
6 Ran away
10 Lots and lots
14 Dark
15 Singer Falana
16 Bye-bye
17 Famous 100-year-old lady: 3 wds.
20 "Time and ___ wait for no man"
21 Decay
22 What seismometers measure
23 Owned
24 Cologne scent
25 Bridge suit
29 ___ tai (drink)
30 Cummerbund
34 Floor repairer
35 Duelist Aaron
36 Vegetable in a pod
37 Location of 17-Across: 3 wds.
41 Old film studio
42 "The ___ have it"
43 Not as good
44 Trims the lawn
46 Little bit
47 Cooks in butter
48 Delineate
50 "A mouse!"
51 Merchant ship
54 Tax-deferred savings: Abbr.
55 ___ *of the d'Urbervilles*
59 Slogan for 17-Across: 4 wds.
62 Concerning: 2 wds.
63 Elderly
64 Moisten while cooking
65 Refusals
66 "Sock it ___ baby!": 2 wds.
67 Precipitous, as a hill

DOWN

1 Fair
2 Opposed to
3 Clothed
4 March flyer
5 Actor Erwin
6 40 days and 40 nights event
7 Upper barn area
8 Building wing
9 Rum cocktail
10 T-bones
11 Meadow bird
12 Suffix with cigar and major
13 House ___ and Means Committee
18 Historical periods
19 Greyhound and Trailways vehicle
23 Burger King mystery man
24 "The Bells of St. ___"
25 Tempest
26 Left-winger, to a right-winger
27 Permit
28 "Agnus ___" (hymn)
29 Unusually quiet
31 Separate
32 Sixth ___ (ESP)
33 Satan's domain
35 Orator William Jennings
38 "If that's true, I'll ___!": 3 wds.
39 Abbr. on a lover's letter
40 Baseball's Gehrig
45 Ski hills
47 Burn
49 Believer: Suffix
50 Wear away, as soil
51 Related (to)
52 Divorce capital, USA
53 Actor Richard of *American Gigolo*
54 News bit
55 ___ *Darn Cat!*
56 Otherwise
57 Location
58 Ladder rung
60 Self
61 NBC competitor



ANSWER, PAGE 59

MIND YOUR P'S AND Q'S ★★

BY PERCIVAL QUIGLEY

We don't know why, but a lot of words starting with the letter P seem to have synonyms starting with the letter Q. For example—proficient/qualified, problematic/questionable, phony/quack. Twelve more "p" words are given as your "q's" below. How many of the corresponding synonyms, all beginning with the letter Q, can you supply? ANSWERS, PAGE 62

1. Peculiar _____
2. Prompt _____
3. Prey _____
4. Peaceful _____
5. Plume _____
6. Predicament _____
7. Pentad _____
8. Pursuit _____
9. Pugnacious _____
10. Partridge _____
11. Ponytail _____
12. Patchwork _____

DSZQTIONARY ★☆

BY SALLY PORTER

Casey Stengel said, "You could look it up," but he didn't mean here. This is a page from a cryptographic Dszqtionary, which defines words and phrases in simple cipher alphabets. Letter substitutions remain constant throughout each of the eight entries, but change from one entry to the next. In each definition, the first part is an accurate explanation of the word or phrase; the second part is a punny description.

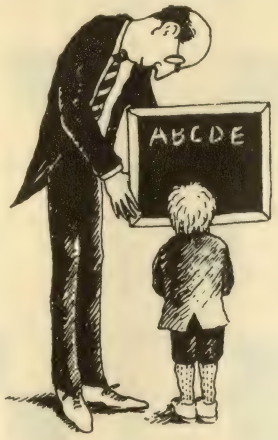
STARTING HINTS, PAGE 59

ANSWERS, PAGE 61

tu•tor (ˈtōōt-ər)

1. QHDBEHS HPMINVHA QN FLYH MSLYDQH IHRRNOR.

2. QSZPMHQ MIDVHS ONQ TZLQH ZM QN RVPMENOV IHYHI.



tutor **1**

pro and con (ˈprō-and-ˈkon)

1. AJJABTDV BTSVB AQ WZ WCRPFVZD. **2.** SVBXCTJDTAZ AQ YWHH JHWMVC IWTHVS QAC ZWCXADTXB JABBVBBTAZ.

down-in-the-mouth (ˈdoun-in-thə-ˈmouth)

1. QTTEPDR CQ RECCF CA STNATBBPCD.

2. NACZETF TDXCIDLTATS KOPET TYLPDR AYK SIXH.



down-in-the-mouth **2**

fly-by-night (ˈflī-bī-ˌnīt)

1. FVXYS, BGGZFMLQFBENZ, XQY GBFOS. **2.** LQZ KXS IVXI IGXJZNZGF DXQ FXJZ LQ XBGCXGZ.

pal•i•sade (ˌpal-ə-ˈsād)

1. ZXBBUYXWT CV DCUHPTW JPXFTJ KJTW VCB WTVTHJT.

2. ECO-UHPTBTJP ECXH VCB BTDXUBUHR FUHR'J BTJUWTHYT.

foun•tain of youth (ˈfount-ən-əv-ˈyūth)

1. VPLUZARG KHMJAC HD CLCJWRG GZDC.

2. DRNHJZLC BJMTKLHJC URWTHML BMJZWT UZTU KAUHHG BRPK.



fountain of youth **2**

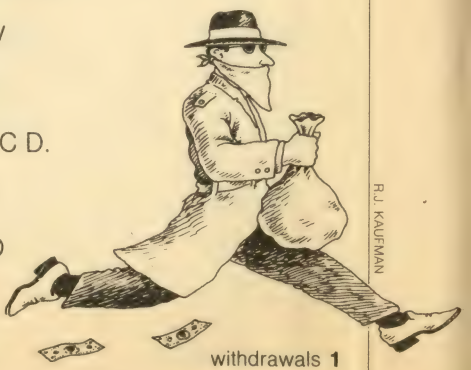
list•less (ˈlist-ləs)

1. GBFMMZGD AH INXS OHAR NUDXFGEZAQ. **2.** DAI XWGNQE-RZQPNP GDALLNH XHHZYNG XE GFLNHRXHSNE.

with•draw•als (with-ˈdrô-əlz)

1. NLSHBRJD HV VAPYD VNHS QRPT RWWHAPCD.

2. XHM *DHACXLNPLND DOLRT CH LRWX HCXLN.

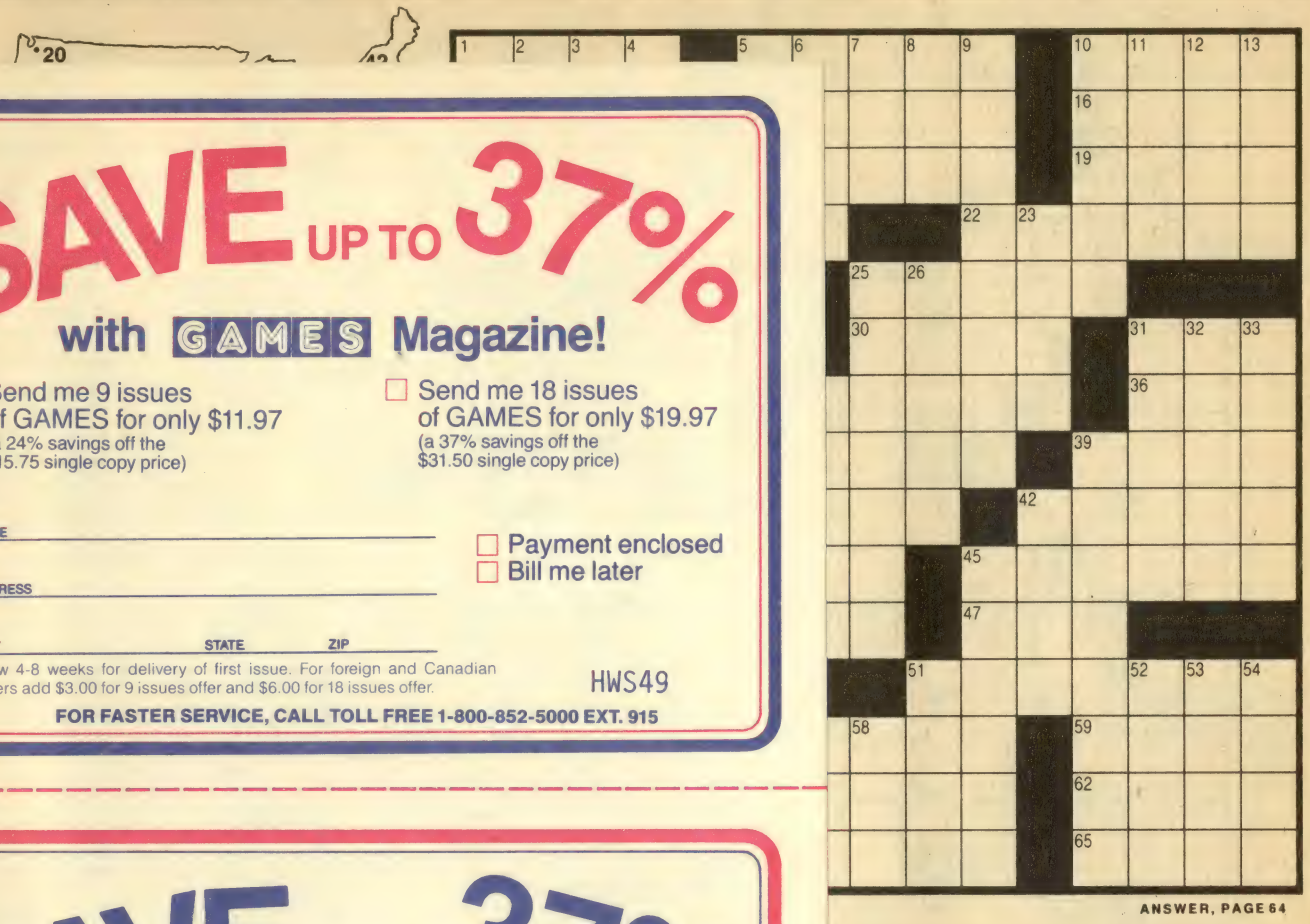


withdrawals **1**

R.J. KAUFMAN

CROSS-COUNTRY ★★

BY JANE MADDEN WELCH



ANSWER, PAGE 64

41 Personal: Prefix
42 Go yachting
45 Sites
46 Sacred verse
48 Canvas covering
49 Addict
50 Goodbye, to Giorgio
51 Engaging gift
52 "I can't believe ___ the whole thing!": 2 wds.
53 Increase
54 Sunday song
57 Hooray for José!
58 Fix illegally

BY N. M. MEYER

...tters within the pairs. The first answer has ...r you.

ANSWERS, PAGE 62

S RY HO _____

R ST TY _____

3. WI SE NG LE TH _____

9. RE IO HE SP NO _____

4. HP CE RT BI LA _____

10. TY SH ES DI ON _____

5. BL LO TA TH EC _____

11. LY AL MI NO PO _____

6. DA OP AN PR AG _____

12. HO PS TH YC PA _____

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DSZQTIONARY ★☆

BY SALLY PORTER

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2. QSZPMHQ MIDVHS ONQ TZLQH ZM QN RVPMENOV IHYHI.



tut

pro and con (ˈprō-and-ˈkon)

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1. QTTEPDR CQ RECCF CA STNATBBPCD.

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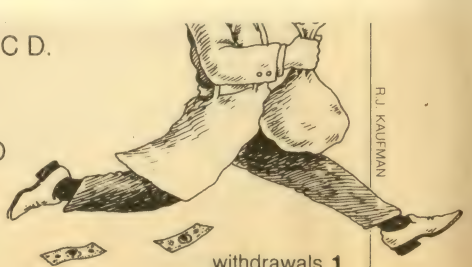
down-in-the

fly-by-night (ˈflī-bī-ˌnīt)

1. FVXYS, BGGZFMLQFBENZ, XQY GBFOS. **2.** LQZ KXS IVXI IGXJZNZGF DXQ FXJZ LQ XBGCXGZ.

QRPT RWWHAPCD.

2. XHM *DHACXLNPLND DOLRT CH LRWX HCXLN.



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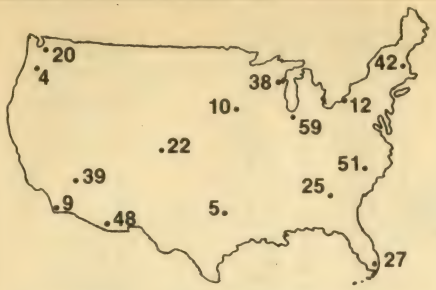
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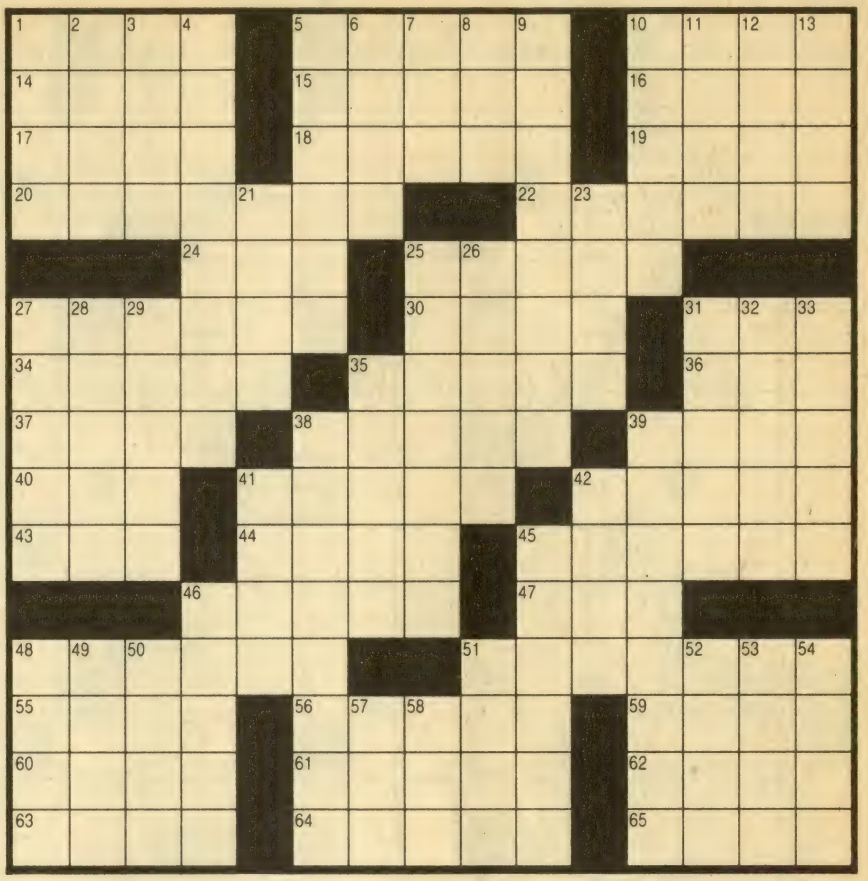
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CROSS-COUNTRY ★★

BY JANE MADDEN WELCH





ANSWER, PAGE 64

ACROSS

1 Trade
5 Pub game
10 SEE MAP
14 He saves the day
15 Hello, in Hilo
16 Nothing more than
17 Eternally
18 Tablecloth cloth
19 *Vissi d'arte* is one
20 SEE MAP
22 SEE MAP
24 Meadow
25 Seed coverings
27 Swampy place
30 Rain cats and dogs
31 Victory sign
34 Whiner's phrase: 2 wds.
35 UN plaza display
36 "Raggedy" girl
37 Kind of rain or rock
38 Prefix with phone
39 Relative of the mandolin
40 Beauty pack
41 Removes wrinkles
42 SEE MAP
43 1040 addressee: Abbr.
44 Fender bend
45 Napoleon, e.g.
46 Michelangelo masterpiece
47 Actress Ullmann
48 SEE MAP
51 SEE MAP
55 Minor continent?
56 Kind of acid
59 SEE MAP
60 Genuine
61 Skirt style
62 Teensy bit
63 Senior shindig
64 Safecrackers
65 Stitched

DOWN

1 "___ a Lady" (Tom Jones hit)
2 Bob Seger's "___ Got Tonight"
3 Rug computation
4 SEE MAP
5 SEE MAP
6 "I cannot tell ___": 2 wds.
7 *Cocoon* director Howard
8 Tea, in Toulon
9 SEE MAP
10 ___ home is his castle: 2 wds.
11 Talk-show host Griffin
12 SEE MAP
13 Scorch
21 Mid-term, for one
23 Shade trees
25 SEE MAP
26 Lots and lots of paper
27 SEE MAP
28 Happen
29 Fridge forays
31 Safe-deposit room
32 "Come in!"
33 The opposition
35 Weather line
38 SEE MAP
39 SEE MAP
41 Personal: Prefix
42 Go yachting
45 Sites
46 Sacred verse
48 Canvas covering
49 Addict
50 Goodbye, to Giorgio
51 Engaging gift
52 "I can't believe ___ the whole thing!": 2 wds.
53 Increase
54 Sunday song
57 Hooray for José!
58 Fix illegally

FIVE EASY PIECES ★☆

BY N. M. MEYER

It looks simple—but is it? Rearrange each set of five letter pairs below to form a familiar 10-letter word. You don't need to rearrange letters within the pairs. The first answer has been filled in for you.

ANSWERS, PAGE 62

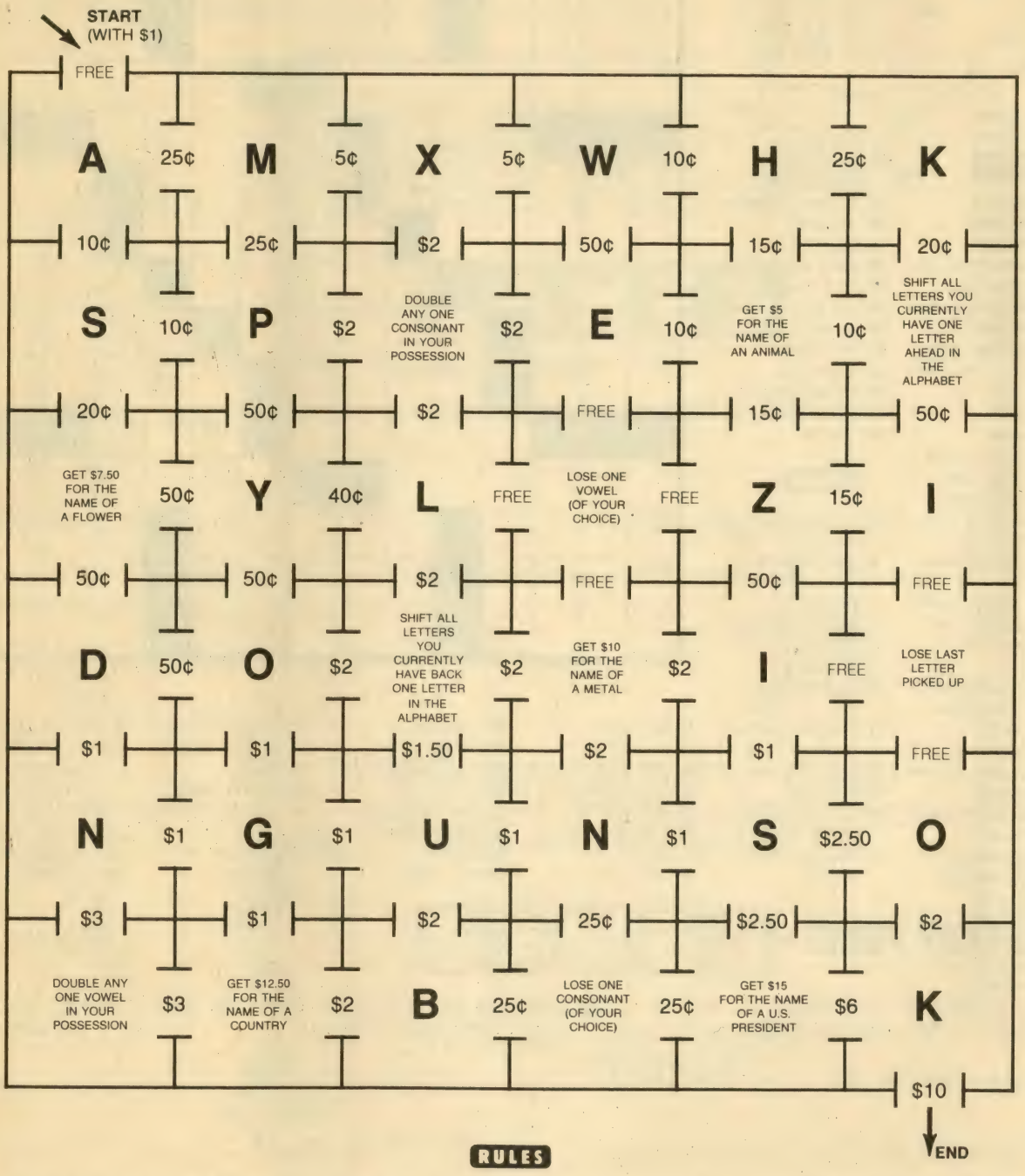
1. WB ST RY ER RA STRAWBERRY
2. TO AM CR GR YP _____
3. WI SE NG LE TH _____
4. HP CE RT BI LA _____
5. BL LO TA TH EC _____
6. DA OP AN PR AG _____
7. TE UP LS RY HO _____
8. EO PE ER ST TY _____
9. RE IO HE SP NO _____
10. TY SH ES DI ON _____
11. LY AL MI NO PO _____
12. HO PS TH YC PA _____

WORD QUEST ★★★

BY D. A. NAFIS

Before you can be crowned King of Greater Thesauria, you must prove your royal worthiness by passing through the maze pictured below. The rules of this arcane rite appear at the bottom of the page. Keep a careful eye on your purse—your goal is to earn enough money to escape through the bottom right door.

ANSWER, PAGE 58



RULES

You have $1.00 to start with as you enter the door in the upper left corner. Every time you go through a door you must pay the toll shown. If you don't have enough money left, you can't use that door.

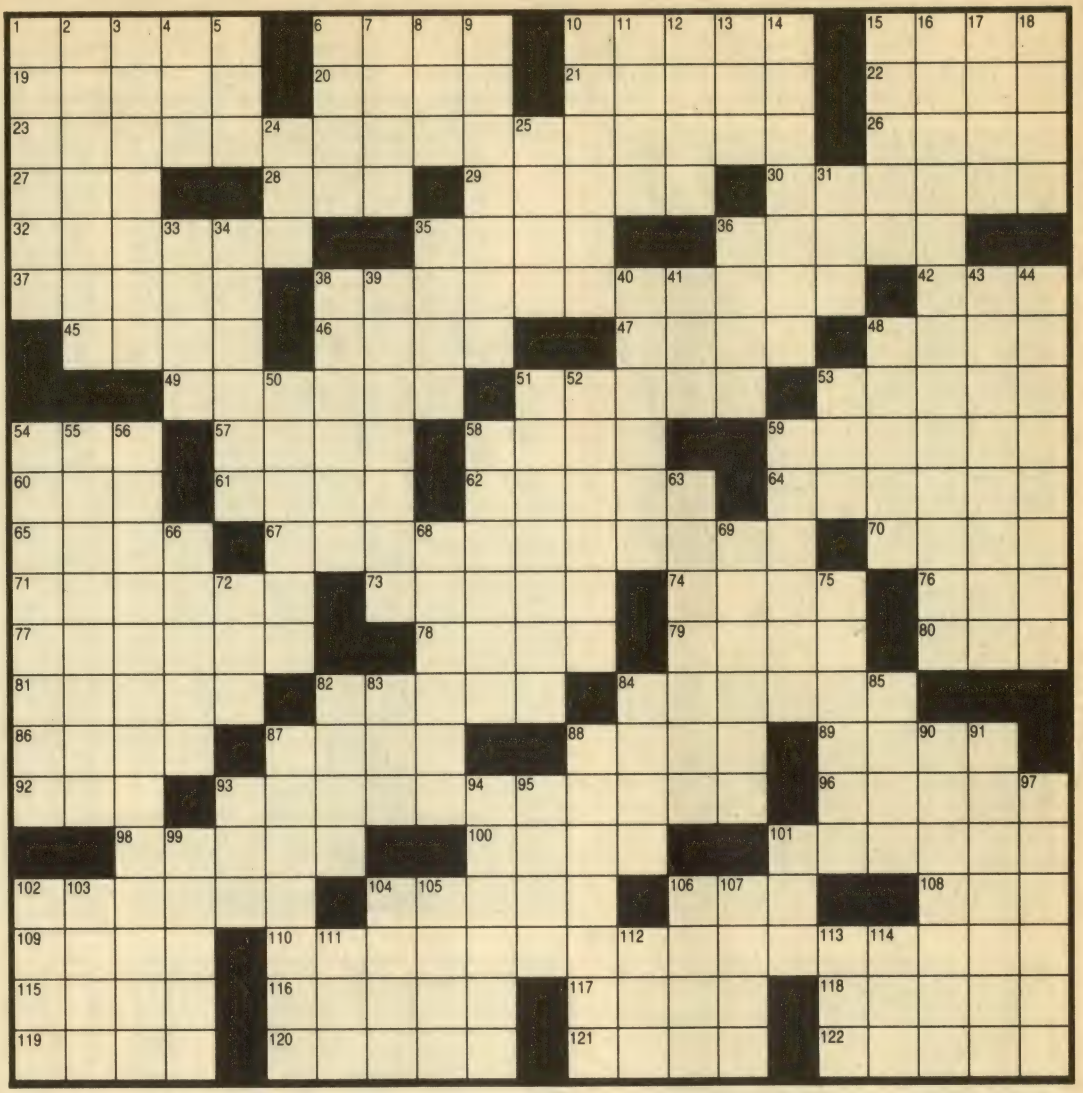
You may enter any of the rooms as many times as you wish. Some rooms contain a letter, which you may take if you like. A letter can be picked up only once; if you decide not to take it, you can still pick it up on a later visit.

In some rooms you can earn money by using some or all of your letters to form a word that fits the given category. Once you have sold a word, those letters are gone and cannot be used again. You don't have to sell a word if you don't want or if you don't have the right letters.

Other rooms contain instructions that must be followed, if possible. (If you are told, say, to lose a vowel, and you have no vowels, you don't lose anything.)

DROPSIES ★★★

BY LOIS SIDWAY



ANSWER, PAGE 64

ACROSS

1 Busy area in Chicago
6 Opening course
10 Ankles
15 Voiced sigh
19 Katmandu is here
20 O'Grady of *Eight is Enough*
21 1979 sf film
22 Pair in Paree?
23 How Noah was careful not to go?
26 Ubangi tributary
27 Ring rhymester
28 Cager Unseld
29 ___ *and Whispers* (Bergman film)
30 Orson or Sumner
32 Drop out
35 "Howzat again?"
36 Do, or have someone do
37 Ruin the topsoil
38 Insomnia?
42 Blubbery
45 Editor's mark
46 Assistance
47 Sandwich man?
48 Rows 5-8
49 Recorder button
51 Boyer of baseball
53 Botanist's name?
54 He was Amin guy
57 Wow
58 Fall sound
59 "Eyes Only"
60 Nero's but
61 Head of France
62 Barbera's partner
64 Joins
65 Ribicoff et al.
67 Labor dispute?
70 Sneeze cause
71 Dunaway role
73 He wrote *The Playboy of the Western World*
74 Fissure
76 Japanese drama
77 Uncut
78 Banjos' kin
79 Passel
80 67½°
81 Cleric's counterparts
82 Cow catcher
84 Ubiquitous GI?
86 Outdo
87 Veep's league?
88 Lab gofers?
89 Returned
92 Coach Parseghian
93 What some dogs do?
96 Massey of films
98 '60s guru Timothy
100 Sty cry
101 Soprano Eleanor
102 "Forget it!"
104 Capitolized?
106 Loyal and trustworthy grp.
108 Turkish title
109 Saharan
110 Fitzgerald, after a standing ovation?
115 50th state bird
116 Indication
117 Headlight?
118 Contemporary of Rembrandt
119 "Back in the ___"
120 Airforce recon satellite
121 Radiate
122 British Housekeepers?

DOWN

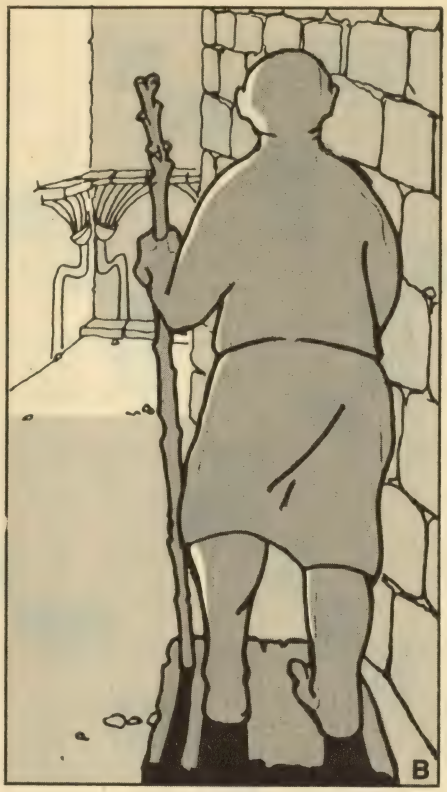
1 Safe
2 Some evangelists, allegedly
3 Yellowish orange
4 Charlotte of *The Facts of Life*
5 Keebler employee
6 Gin flavoring
7 Trigger treat
8 One prefix?
9 Nabbed
10 Gauguin retreat
11 Out of the wind
12 Narrow inlets
13 Sun. oration
14 Schooldesk accessory, of yore
15 X-rated
16 Ebenezer Scrooge?
17 Sal of song
18 Old flames?
24 Need money badly
25 Mouth, informally
31 Aquarium denizen
33 West German river
34 More than dislike
35 Proceed
36 Courtly address
38 Japanese religion
39 Audrey of *A Chorus Line*
40 Has no obligation to
41 "Roscoe"
43 Comes to terms
44 Words with way, ticket, or spirit
48 Rodrigo Diaz de Vivar
50 Little piggie's cry
51 Presto follower
52 Fencing ploys
53 Swamp
54 Chris's queen
55 Dashing
56 First-place ties?
58 Supposes
59 Allow
63 Troubled by turbulence
66 Small notch
68 Nagasaki's island
69 Lyon lasses
72 Collection agency?
75 Mediocre
82 Doctor who's "in"
83 "Don't ___!"
84 Grumble
85 Meryl Streep's alma mater
87 Priest's cap
88 "___ music and the step. . ."
90 Shoemaker's dessert?
91 Started prayers
93 "*N'est-ce* ___*?*"
94 LA suburb
95 Gifts for dad
97 Indo-Europeans
99 Duck down
101 Dumbo
102 "Ta," Orkan-style
103 They can be crude
104 Astronaut Slayton
105 Sign
106 *South Pacific* setting
107 Primer pet
111 Monopolize
112 Radio man
113 Fashion monogram
114 WW2 arena

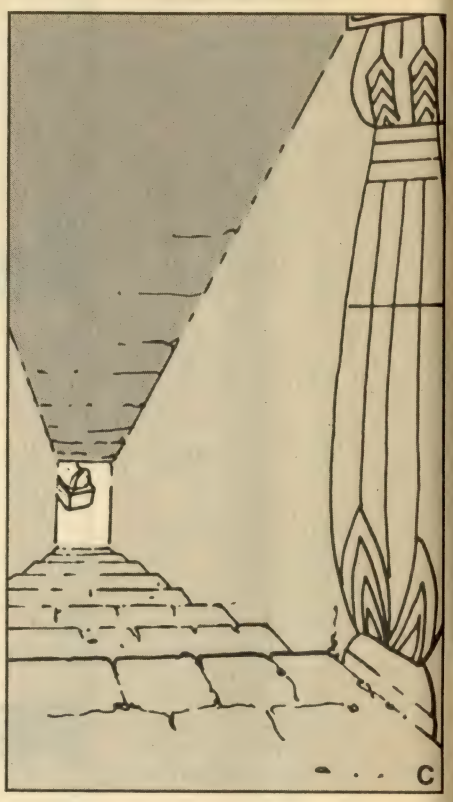
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These labyrinthine walls haven't echoed with footsteps for 4,500 years. Now archeologists believe they've found the long-sought tomb of King Atsalottalute. The 12 pictures show a series of views on the winding path from the entryway (G) to the pharaoh's chamber (F). Can you peer amid the visual clues to put the pictures in order?

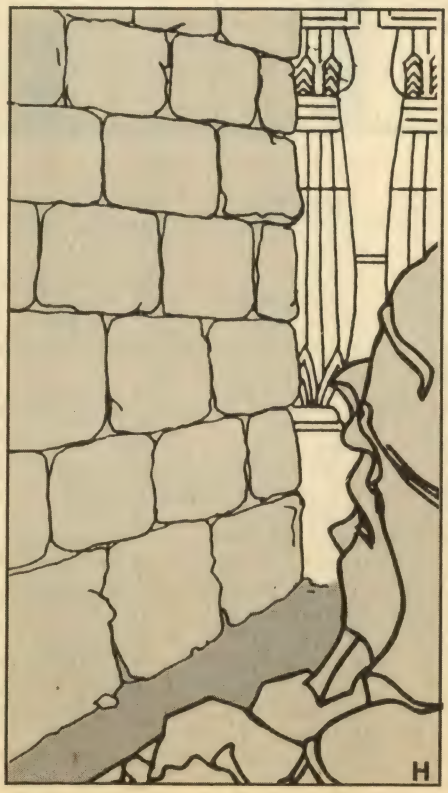
ANSWER, PAGE 64

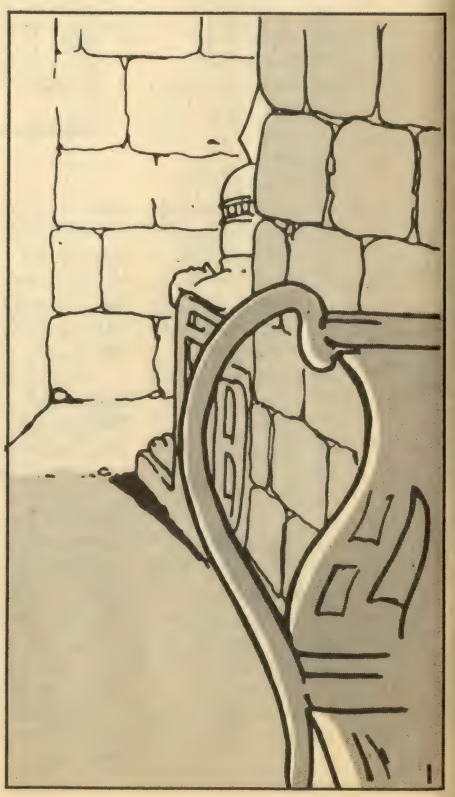












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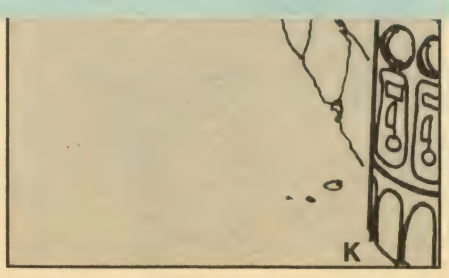
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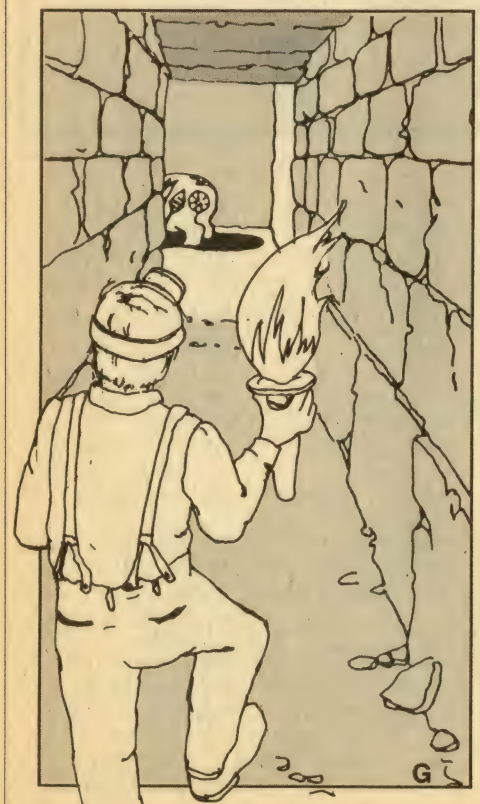




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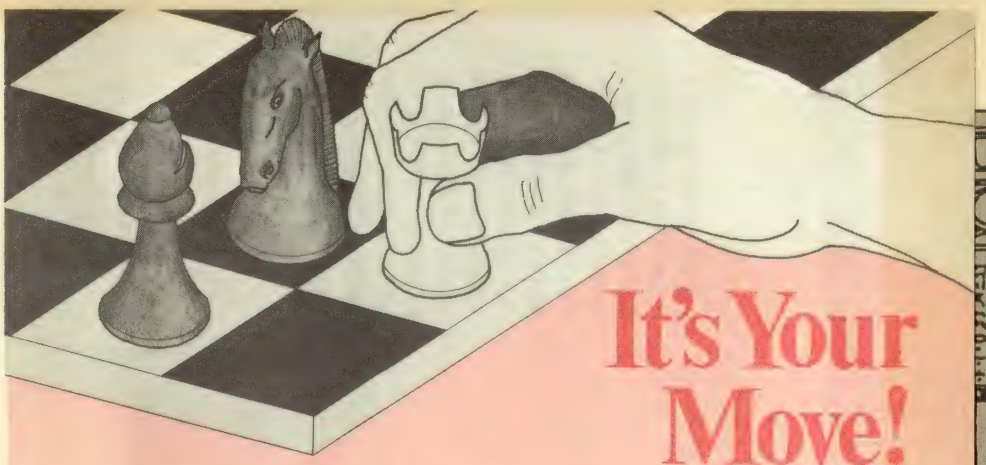
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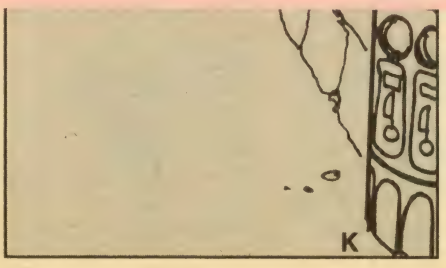
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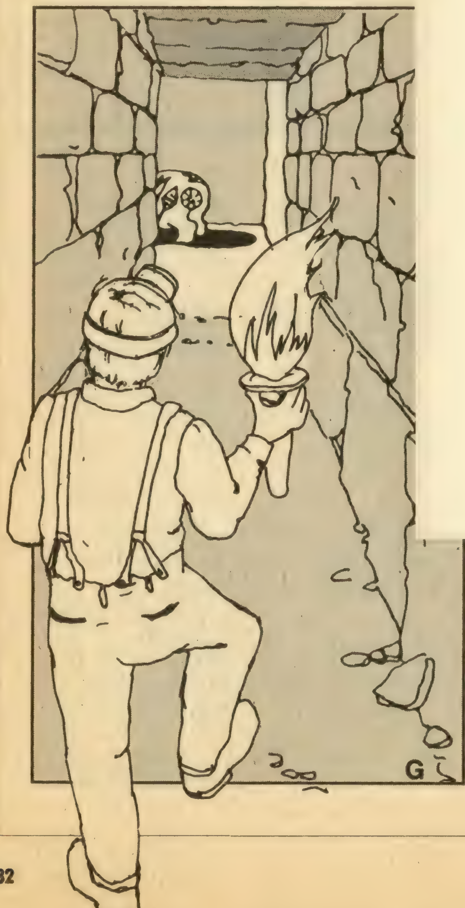




MUMMY DEAREST ★★

These labyrinthine walls haven't ech[o]... 4,500 years. Now archeologists beli[eve]... long-sought tomb of King Atsalottalute...





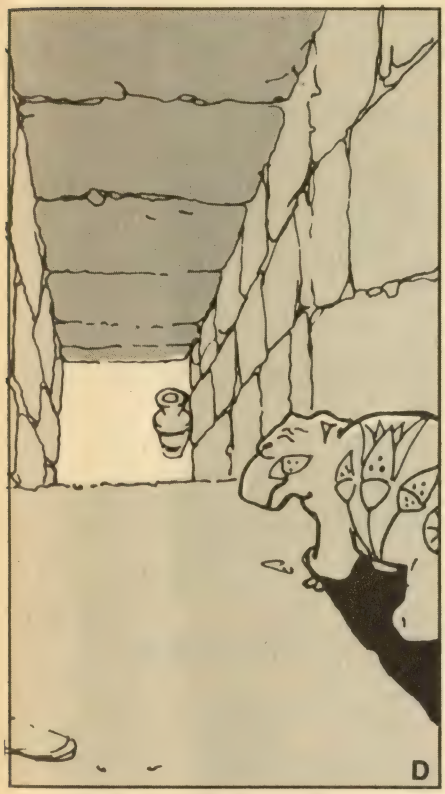


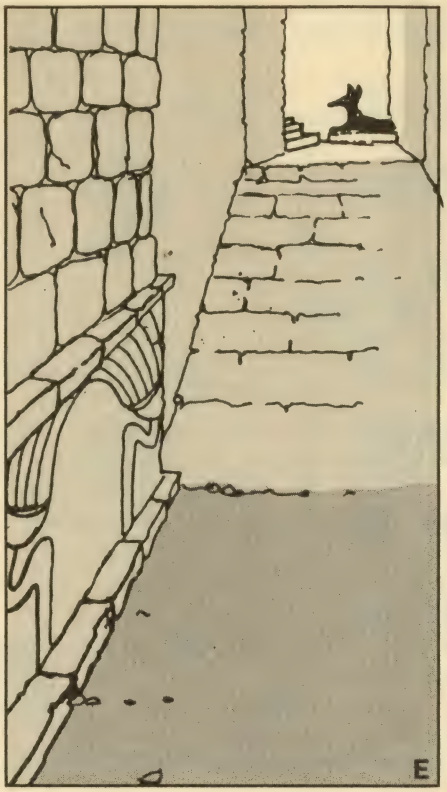


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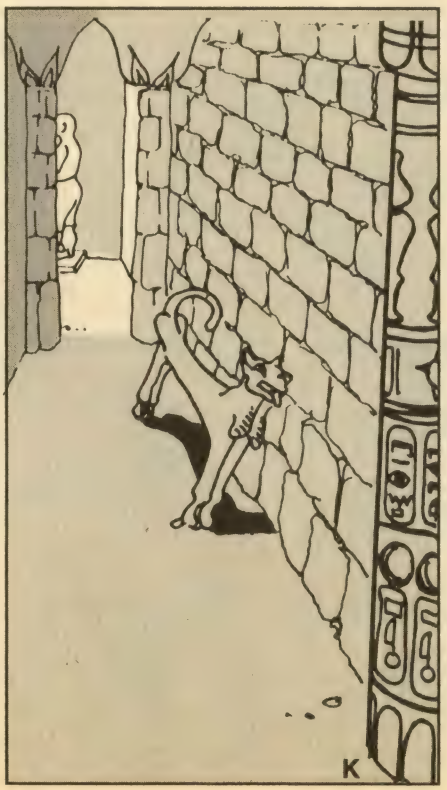
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D


E


F


J

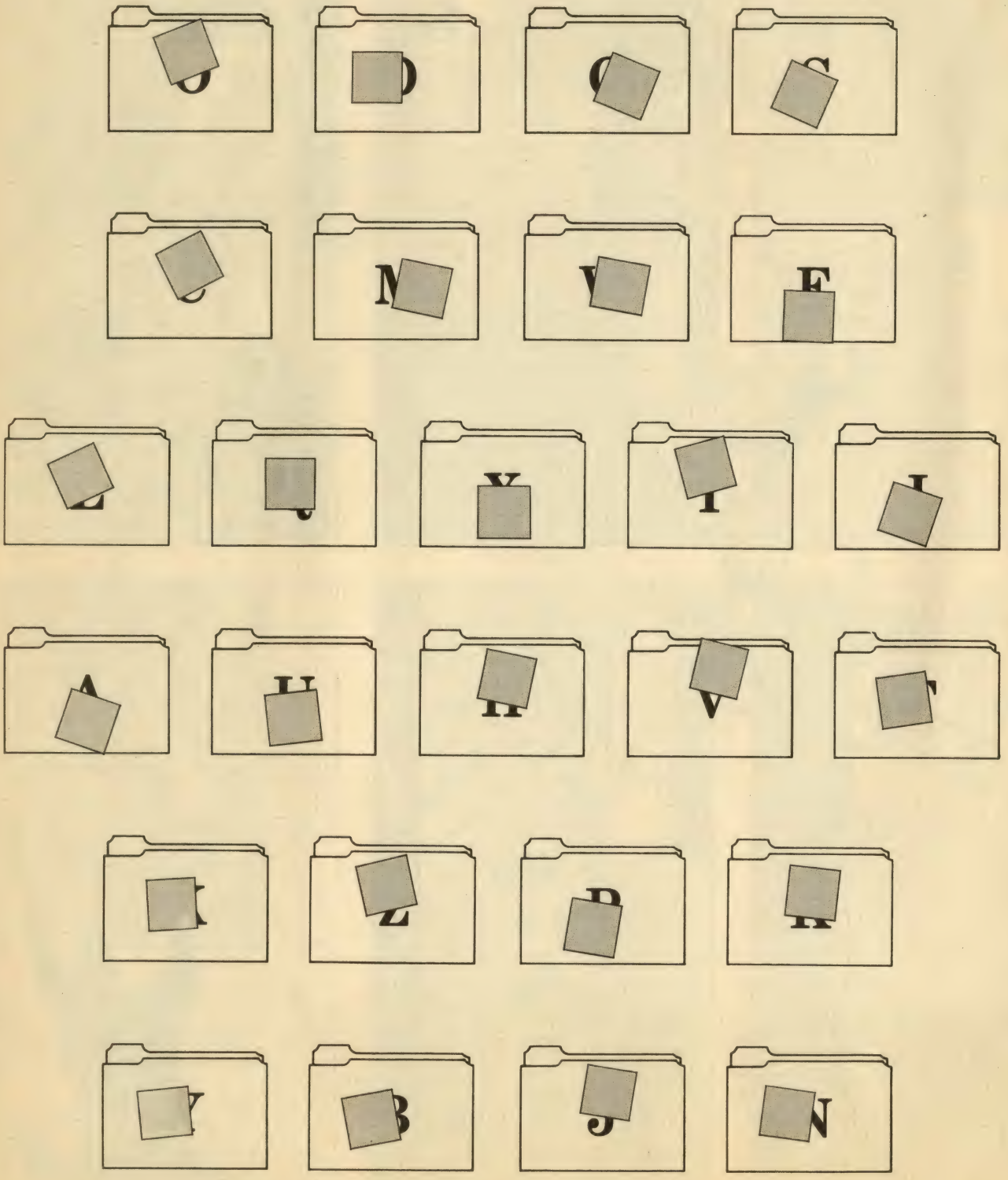

K


L

COVER-UP ★★

BY BOB STANTON

The 26 files pictured below come from the vaults of the Clandestine Operations Agency, the ultra top-secret government information bureau, the existence of which has itself been a closely-guarded secret. These files are *so* restricted, we can't even show you the code designations on the fronts of the folders—each a single letter of the alphabet. This explains why we've partially covered them with those cute yellow sticky notepad sheets from our office supply closet. We *can* tell you that there's one file for each of the 26 letters. Your mission, should you decide to accept it, is to determine which letter appears on each file. Answers, for your eyes only, appear on page 59.



CRYPTIC CROSSWORDS ★★★

Each clue in a cryptic crossword contains two parts: a definition of the answer and a second description of it through wordplay. Finding the dividing point between parts is the key to solving. Watch for anagrams, hidden words, charades of two or more smaller words, and other language tricks. Puzzle 2 is harder than Puzzle 1.

ANSWERS, PAGE 62

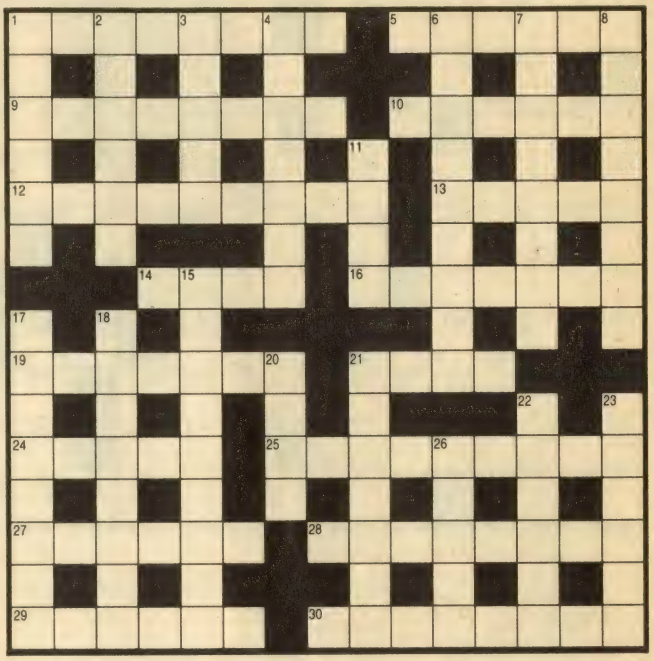
PUZZLE 1 BY FRASER SIMPSON

ACROSS

1 Reach in for each minister (8)
5 Intricate pattern found months before return of spy group (6)
9 Contrary to pope, is bad (8)
10 Franklin, having lunch, is exhausted (6)
12 One who complains is in favor of the *Examiner*? (9)
13 Annoyance at summit is pronounced (5)
14 Takes it easy, holding position (4)
16 Shakes the arrow-holders (7)
19 Urged reforms in edict (7)
21 Get rid of a lean-to (4)
24 Parts of ships polished the wrong way (5)
25 Broker in stocks with more frills (9)
27 Catch confused parent (6)
28 It's not as strange as railway terminals (8)
29 Filled out page (attached) (6)
30 Journalists wrapping ten unusual gifts (8)

DOWN

1 Dance party's beginning on time. . . on time (6)
2 Sign up my pole is sloppy (6)
3 Social class of actors, to the audience (5)
4 Let in E.T., perhaps, to call (7)
6 Ask too much to prove Eric wrong (9)
7 Against endless quest for relics of ancient times (8)
8 Speak against poetry (8)
11 Their aquarium has land in it (4)
15 Without will in exam at end of course (8)
17 Breaking ice, pump around front of keg for quick drink (4-2-2)
18 Showing stress in modern dance, etc. (8)
20 Fed up with health club challenge (4)



21 Treason involved lawmaker (7)
22 Reject pig amid loud noise (6)
23 Showy flowers—one comes up (6)
26 Steno scrawling! (5)

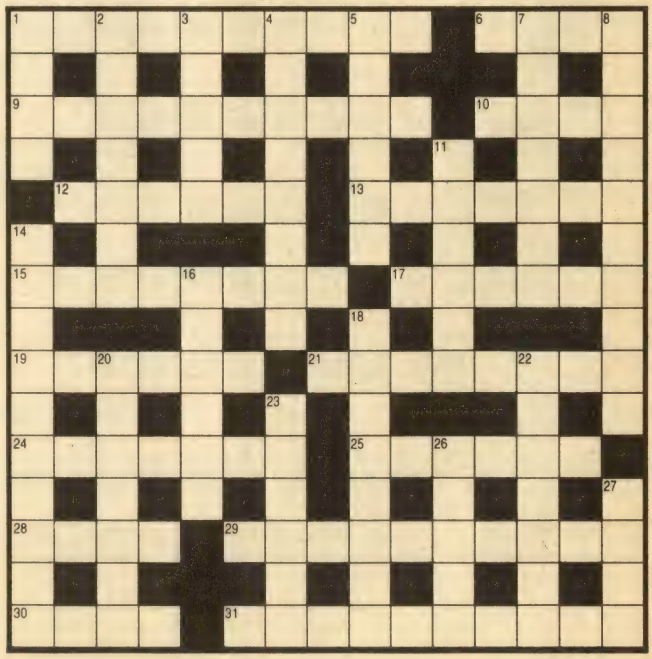
PUZZLE 2 BY MERL REAGLE

ACROSS

1 Militant group is passionate about Germans (10)
6 Listen to reasons from sage (4)
9 Secret Service admits killing one returning for instruments (5,5)
10 Surgeon loses son to needle (4)
12 Odd portions of saturnalian melody (6)
13 Scene from fast, able author (7)
15 A friend with manuscript giving initial terms? (8)
17 Diamond in front of identical twins (6)
19 Sketchy Gilbert & Sullivan articles (6)
21 Badly built set reveals subsidiary name (8)
24 Skillet left sink messy, leading to paper towels (7)
25 Acted surprised to find only three-fourths of car accelerator (6)
28 Brief letter returned from English school (4)
29 Mother hides letters sent back from legislature (10)
30 Killed a lot (4)
31 Not apt to be scheduled around the first World War (4-6)

DOWN

1 Shower had been hot (4)
2 Careening car tore into nuclear plant (7)
3 Part of home game's ending (5)
4 Custer briefly contains minor uprising to get Indian chief (8)
5 Alien half-moon seen through gnarled tree (6)
7 Jewish investor's first serial bombed (7)
8 Murders involving four businessmen (10)
11 Purpose for odd job, etc. (6)
14 Pub workers finding Carney in tears (10)
16 Two drinks with a head (6)
18 Fired a blowgun in a cabin (8)
20 I recommend covering public relations better (7)
22 Number One in ancient city on time (3,4)



23 Harry gets Oakland player's fly (6)
26 Magician was confused by note (5)
27 Button depicts St. Jude's heart (4)

For tips on solving cryptic crosswords, send a stamped return envelope to: "Cryptic Solving Guide," GAMES, 1350 Avenue of the Americas, New York, NY 10019.

DOUBLE CROSS ★★

BY MICHAEL ASHLEY

Answer the clues for words to be entered on the numbered dashes. Then transfer the letters on the dashes to the correspondingly numbered squares in the puzzle grid to spell a quotation reading from left to right. Black squares separate words in the quotation. Work back and forth between grid and word list to complete the puzzle. When you are done, the initial letters of the words in the word list will spell the author's name and the source of the quotation.

ANSWER, PAGE 62

1H	2C	3P	4I	5T	6Q	■	7L	8B	9P	10M	11C	12K	13Q	■	14U	15W	■	16G	17L	18U	19M	20F	21N	22H
■	23K	24S	25Q	26W	■	27O	28G	29V	30M	■	31O	32H	33L	34J	35P	36Q	37M	38N	39B	■	40X	41B	42P	43H
44U	45Q	46W	■	47M	48I	■	49G	50P	51A	52V	53S	54Q	55H	■	56X	57P	58B	59R	60M	■	61P	62A	63H	64G
65O	66S	67U	68T	69L	70B	71K	■	72P	73Q	74A	75J	76M	77U	78R	■	79P	80X	81C	82D	■	83V	84N	■	85O
86S	87E	88J	89L	■	90B	91Q	92U	■	93D	94A	■	95O	96W	■	97K	98X	99F	100M	■	101I	102P	103U	104B	■
105R	106T	107Q	108X	■	109O	110E	111H	112W	113M	114Q	115S	■	116P	117A	■	118M	119R	120P	121H	122F	123G	■	124P	125T
126S	127I	■	128R	129C	■	130N	131B	132A	■	133K	134T	■	135O	136F	■	137T	138B	139D	140W	141K	142G	■	143J	144I
145N	146H	147F	148B	149V	150G	151K	152E	153A	154C	■	155W	156K	157N	158A	159J	160C	161P	162S	■	163H	164W	■	165W	166E
167F	168T	169J	170X	171K	172L	■	173G	174Q	175J	■	176D	177I	178J	179U	180F	181G	182E	183W	■	184K	185D	186E	187I	■
188H	189N	190D	■	191Q	192I	193O	194L	195M	196X	197E	198H	199N	■	200E	201A	202R	203K	204Q	205M	206J	207D	208U	■	■

A. French President François ___ — 51 62 74 94 117 132 153 201 158

B. MacMurray-Hepburn movie of 1935 (2 wds.) — 8 39 41 58 70 90 104 131 138 148

C. Fix shoes — 2 11 81 129 154 160

D. Fish popular in British breakfasts — 82 93 139 176 207 185 190

E. Italian sculptor and artist Umberto — 87 110 197 182 200 186 152 166

F. Shut up again — 20 99 122 180 136 167 147

G. Michigan city named after a Greek patriot — 142 16 28 123 49 181 64 173 150

H. Star of *No Time For Sergeants* (2 wds.) — 198 55 43 22 63 111 121 146 1 / 32 163 188

I. 1904 Joseph Conrad novel — 4 48 101 127 144 177 187 192

J. 1985 Woody Allen movie (with "K") (2 wds.) — 34 75 88 143 206 169 178 159 175

K. See Clue "J" (3 wds.) — 12 23 71 97 151 184 171 133 156 / 203 141

L. Not permitted — 194 89 7 17 33 69 172

M. American League MVP of 1985 (2 wds.) — 30 76 100 118 19 195 47 37 113 / 205 60 10

N. Showy yellow flower — 21 38 84 130 145 157 189 199

O. A "short" layover in *Gulliver's Travels*? — 109 95 193 85 65 31 27 135

P. TV's "Equalizer" (2 wds.) — 3 116 124 102 161 120 9 35 57 / 61 72 50 79 42

Q. Severe psychological disorder — 13 25 174 204 114 54 191 6 36 / 45 91 73 107

R. Bear witness (to) — 59 78 105 119 128 202

S. Ideas; sundry goods — 24 53 66 86 115 126 162

T. President Arthur — 5 106 125 134 168 137 68

U. Robert Graves novel, basis of a PBS series (2 wds.) — 14 18 44 67 77 92 103 179 208

V. Collection of ancient poems — 29 52 83 149

W. Mixture of preserved fruit, nuts, etc. — 15 26 46 96 112 140 155 164 165 183

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LETTER LOGIC ★☆

BY LAWRENCE GRABER

Y		A		T
A		L		Y
C				C

FOLD THIS PAGE

THE WORLD'S MOST ORNERY

BY STANLEY NEWMAN

s and the next two pages has two inde-
s: "Hard" and "Easy." First, fold this
shed line so the clues below face the
39. If you use only the Hard Clues (ap-
ontinuing under the grid), you'll find the
challenging. If you want help, or prefer
nge, open to the Easy Clues (tucked in
page 38).

★★★

66 Hors d'oeuvre items
70 Density
72 Extirpated
75 Salt
77 *Blame It on* ___
78 Tackle attachment
79 Ginnie ___
80 Let out
83 Cuban-born baseball legend
86 Heart surgery
88 Flimflam
90 ___ *Gratia* (British coin legend)
91 Tricked
94 Boxer's vital statistic
95 At will
98 Western set
00 She was Laverne
01 Courtly, in a way
03 Sound of relaxation
05 Thompson of *Back to the Future*
06 Rector's assistant
07 Comeback requirement
10 Launch of 5/25/73
13 *Le coq* ___ (Rimsky-Korsakov opera)
14 Retired ringman
16 Application
17 More sinuous
19 Countess's territories
21 What a magician's rabbit may do
24 Type of mapmaker's projection
27 Ticket sales
28 *Marie ou Marguerite*: Abbr.
29 Word form for "figure"
30 Cultureless chap
31 AMPAS bestowals
35 Burger extra
37 "You can say that again!"
39 Bloodhounds' trails
41 Dickens's Pip, really
42 Some tile or pots
45 In multitudes
47 End for "bureaucrat"
48 V-mail address
49 Thataway
50 Martin of *Psycho*
52 Computer command
53 Executive's abbr.
55 Verso's opposite
57 Lusterless
58 Meets a bet
60 Hopeful
63 Gone belly up?
64 Bob of old oaters
67 Plastic
69 Modernistic
71 Military outpost
72 Cause of some clapping
73 "Wrong Way—Go Back!"
74 Bucket or rumble?
75 Pelé's former team
76 Plane Jane?

DOWN

1 Pony Express terminus
2 Novel beginning
3 Opined
58 Pyramidal pinnacle
59 Went incommunicado
60 NBC peacock, e.g.
61 Opening opening?
62 Ottoman officer
65 IBM's former competitor

DOUBLE CROSS ★★

BY MICHAEL ASHLEY

Answer the clues for words to be entered on the numbered dashes. Then transfer the letters on the correspondingly numbered squares in the quotation reading from left to right. Bl

words in the quotation. Work back and forth between grid

1H	2C	3P	4I	5T	6Q	■	7L
■	23K	24S	25Q	26W	■	27O	28G
44U	45Q	46W	■	47M	48I	■	49G
65O	66S	67U	68T	69L	70B	71K	■
86S	87E	88J	89L	■	90B	91Q	92U
105R	106T	107Q	108X	■	109O	110E	111H
126S	127I	■	128R	129C	■	130N	131B
145N	146H	147F	148B	149V	150G	151K	152E
167F	168T	169J	170X	171K	172L	■	173G
188H	189N	190D	■	191Q	192I	193O	194L

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B. MacMurray-Hepburn movie of 1935 (2 wds.) — ___ ___ ___ ___ ___ 8 39 41 58 7

C. Fix shoes — ___ ___ ___ ___ ___ 2 11 81 129 15

D. Fish popular in British breakfasts — ___ ___ ___ ___ ___ 82 93 139 176 20

E. Italian sculptor and artist Umberto — ___ ___ ___ ___ ___ 87 110 197 182 20

F. Shut up again — ___ ___ ___ ___ ___ 20 99 122 180 13

G. Michigan city named after a Greek patriot — ___ ___ ___ ___ ___ 142 16 28 123 4

H. Star of *No Time For Sergeants* (2 wds.) — ___ ___ ___ ___ ___ 198 55 43 22 6

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K. See Clue "J" (3 wds.) — ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ 12 23 71 97 151 184 171 133 156 203 141

L. Not permitted — ___ ___ ___ ___ ___ ___ ___ 194 89 7 17 33 69 172

V. Collection of ancient poems — ___ ___ ___ ___ 29 52 83 149

W. Mixture of preserved fruit, nuts, etc. — ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ 15 26 46 96 112 140 155 164 165 183

X. Like the pursuits of some gameplayers? — ___ ___ ___ ___ ___ ___ ___ 108 40 80 98 196 170 56

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LETTER LOGIC ★☆

BY LAWRENCE GRABER

Fill in the empty squares in each grid below to complete four five-letter words reading across. What's the catch? The four words in each completed grid must contain 10 different letters, each used exactly twice. Hint: In grid # 1 the letter U already appears twice, so it can't be used again. The letter Y, however, appears only once so far. Think of a word in which the second Y will fit, and proceed from there. It may take you several tries to find the right combination of words—so keep your eraser handy. ANSWERS, PAGE 60

1

U				R
Y		U		G
G		A		E
L				L

2

A				E
W		R		D
L		K		N
D				N

3

I				L
M		L		N
S		O		N
C				P

4

S				E
Y		A		T
A		L		Y
C				C

FOLD THIS PAGE

THE WORLD'S MOST ORNERY CROSSWORD

BY STANLEY NEWMAN

Lively Language

The crossword on this and the next two pages has two independent sets of clues: "Hard" and "Easy." First, fold this page back on the dashed line so the clues below face the solving grid on page 39. If you use only the Hard Clues (appearing below and continuing under the grid), you'll find the puzzle uncommonly challenging. If you want help, or prefer a less severe challenge, open to the Easy Clues (tucked in beneath your fold on page 38).

HARD CLUES ★★★

ACROSS

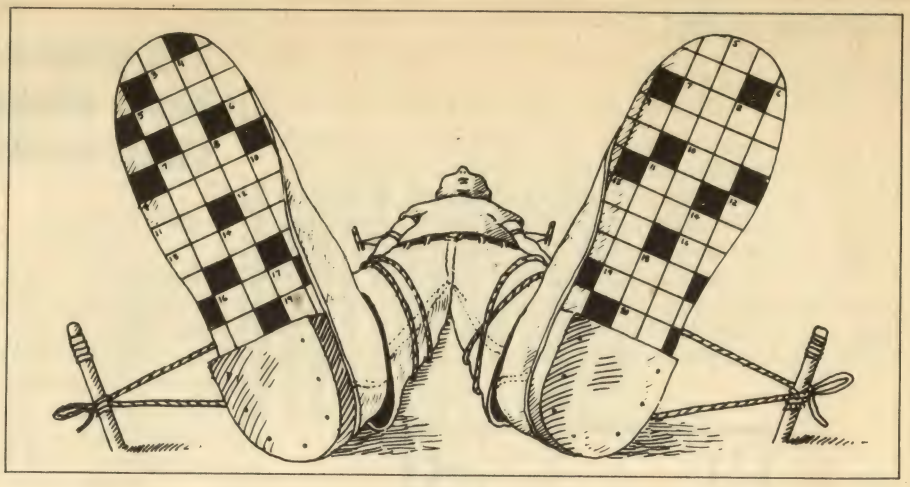
1 Old cars, bicycles, etc.
11 Promote
17 Cause to coil
24 It started about 1000 B.C.
25 Quite wide, as some highways
26 Haunt
27 Impromptu gig
28 Stiff headdresses
29 Goes along
30 Grayish blue
31 Genoese gentlemen
33 Rank below Prof.
34 More than a plop
35 Throat culture finding
37 Author Talese
38 Kind of dollars or bonds
40 Comparatively cozy
42 First man?
45 "A mouse!"
46 Ash holder, of sorts
48 Economize
50 Language course, perhaps
52 As quickly as possible
54 Broken down like Britain
56 Chemical endings
58 Pyramidal pinnacle
59 Went incommunicado
60 NBC peacock, e.g.
61 Opening opening?
62 Ottoman officer
65 IBM's former competitor
66 Hors d'oeuvre items
70 Density
72 Extirpated
75 Salt
77 *Blame It on* ___
78 Tackle attachment
79 Ginnie ___
80 Let out
83 Cuban-born baseball legend
86 Heart surgery
88 Flimflam
90 ___ *Gratia* (British coin legend)
91 Tricked
94 Boxer's vital statistic
95 At will
98 Western set
100 She was Laverne
101 Courtly, in a way
103 Sound of relaxation
105 Thompson of *Back to the Future*
106 Rector's assistant
107 Comeback requirement
110 Launch of 5/25/73
113 *Le coq* ___ (Rimsky-Korsakov opera)
114 Retired ringman
116 Application
117 More sinuous
119 Countess's territories
121 What a magician's rabbit may do
124 Type of mapmaker's projection
127 Ticket sales
128 *Marie ou Marguerite*: Abbr.
129 Word form for "figure"
130 Cultureless chap
131 AMPAS bestowals
135 Burger extra
137 "You can say that again!"
139 Bloodhounds' trails
141 Dickens's Pip, really
142 Some tile or pots
145 In multitudes
147 End for "bureaucrat"
148 V-mail address
149 Thataway
150 Martin of *Psycho*
152 Computer command
153 Executive's abbr.
155 Verso's opposite
157 Lusterless
158 Meets a bet
160 Hopeful
163 Gone belly up?
164 Bob of old oaters
167 Plastic
169 Modernistic
171 Military outpost
172 Cause of some clapping
173 "Wrong Way—Go Back!"
174 Bucket or rumble?
175 Pelé's former team
176 Plane Jane?

DOWN

1 Pony Express terminus
2 Novel beginning
3 Opined

THE WORLD'S MOST ORNERY CROSSWORD (CONTINUED)

Don't Peek
Until You Read
Page 37!



EASY CLUES ★

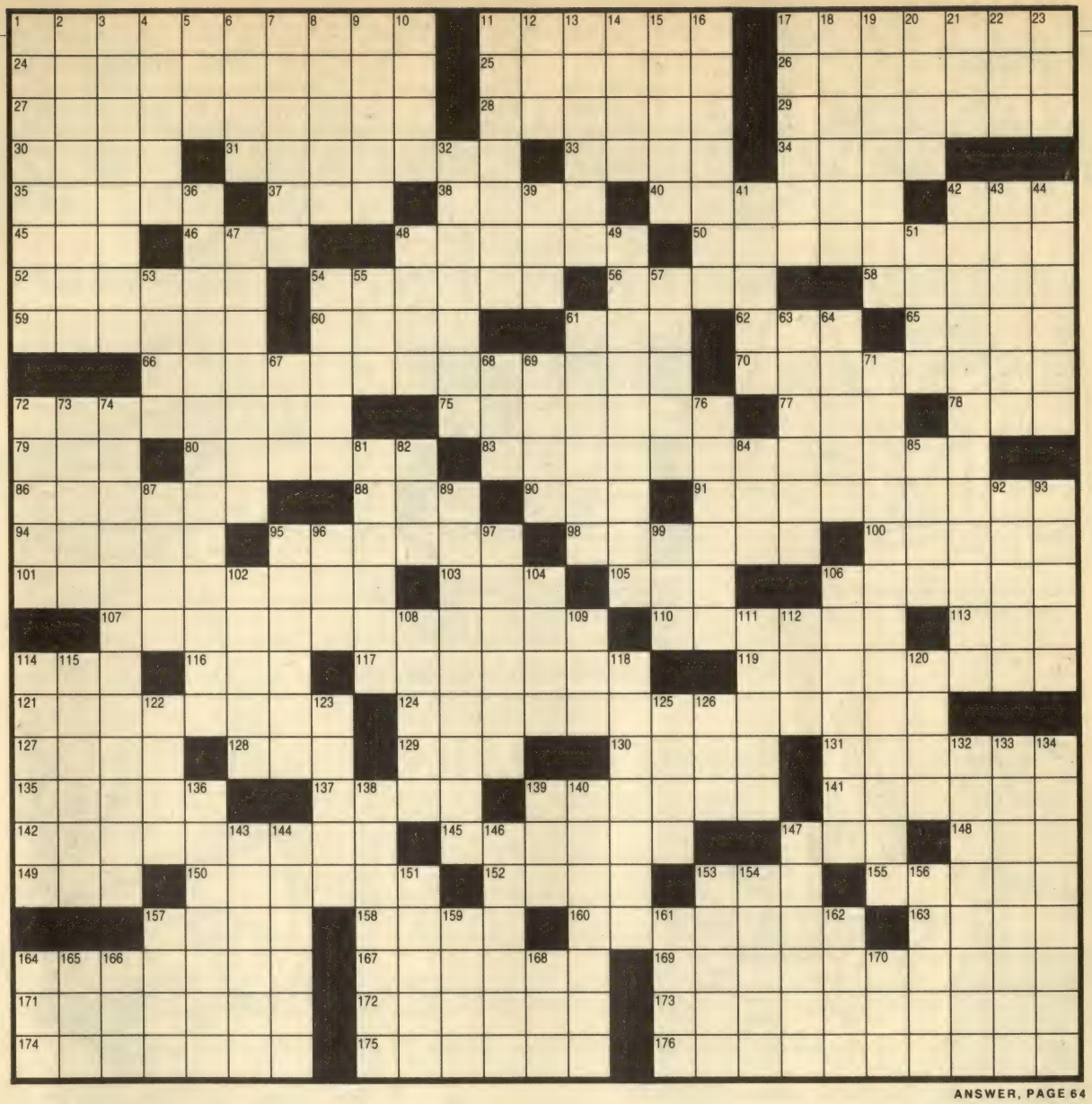
ACROSS

1 Junkyard steel: 2 wds.
11 Jodie or Stephen
17 Twist into a ring
24 Era of metalwork: 3 wds.
25 Allowing 5 cars each way
26 Where teens gather
27 Jazzmen's get-together: 2 wds.
28 Plumed military caps (OH, SAKS anag.)
29 Agrees
30 Milky gem
31 Italian gentlemen (IN GROSS anag.)
33 Professor's talk: Abbr.
34 Sound of a dull fall
35 Throat infection, for short
37 "Don we now our ___ apparel"
38 Continental prefix
40 More like mom and dad's place
42 Owl's query?
45 Comic book scream
46 Coffee brewer
48 Show frugality
50 Lemonade, for example
52 "___ chango!" (magician's command)
54 Divided into counties, as England
56 Compass points: Abbr.
58 Steeple
59 Laid low: 2 wds.
60 Corporate emblem
61 "It must be him, ___ shall die": 2 wds.
62 ___ Khan
65 Computer company (TILE anag.)
66 Small salad veggies: 2 wds.
70 Stupidity
72 Pulled from the ground
75 Seattle baseballer
77 ___ de Janeiro
78 Nautical rope (YET anag.)
79 Sultry Miss West
80 Expose
83 Baseballer from 1949 to 1980: 2 wds.
86 Skip over
88 Swindle
90 Gods: Lat. (IDE anag.)
91 Beaten, as at the pool table?
94 Get to
95 Without restraint
98 Western tavern
100 Lincoln's coin
101 Of the Camelot legend
103 Sound made for the doctor
105 Grassy place (ALE anag.)
106 Parish priest
107 Round-trip requirement: 2 wds.
110 NASA project of the 1970s
113 Golden: Fr.
114 "___ Baba and the Forty Thieves"
116 Take advantage of
117 More serpentine
119 Noblemen's estates
121 Show up again
124 Two-dimensional
127 Door in a fence
128 Sault ___ Marie
129 Image: Prefix (DIE anag.)
130 Rude one
131 Academy Awards
135 Kitchen tearjerker?
137 Prayer's end
139 Perfumes
141 Queen Elizabeth's husband
142 Claylike creations
145 Aplenty
147 180° from WNW
148 GI's mail station: Abbr.
149 Hither's opposite
150 Shampoo additive
152 Alphabetize
153 E, S, N, or W
155 Right-hand page
157 Boring
158 Witnesses
160 Party's candidate
163 Reclined
164 TV detective Remington, and others
167 Unstable (BELLA I anag.)
169 New-wave
171 Pilot's station: 2 wds.
172 Blackboard need
173 Highway warning: 3 wds.
174 Auto accessory for Baby: 2 wds.
175 Brazilian city (SO, STAN anag.)
176 Flight attendant

DOWN

1 Missouri city: 2 wds.
2 Start of a book: 2 wds.
3 Mentioned
4 Theater walkway
5 Opposite of post-
6 ". . . gathers no ___"
7 Naval officer
8 Subarctic forest (A GAIT anag.)
9 ". . . the ___ of defeat"
10 Comic Jay (NOEL anag.)
11 Narrow crack
12 Partner of 103-Across
13 Zigzag on skis
14 Give-and-___
15 Tennyson's ___ *Arden*
16 Put back the way it was
17 "Supposing. . . ": 2 wds.
18 More impetuous
19 Makes certain of
20 Elderly
21 2,000 pounds
22 Primitive's dwelling
23 Aliens, to Spielberg: Abbr.
32 Where a family relaxes: 2 wds.
36 Demand to a braggart: 5 wds.
39 Relieve (of)
41 "It makes ___ just to think of it": 2 wds.
42 Ajax emblem of yore: 2 wds.
43 Religious dissent
44 Ultimatum words: 2 wds.
47 Goes round and round
48 Breath of relief
49 Lasting a while, as a plant
51 *Wheel of Fortune* option
53 Just average
54 Playground equipment
55 Santa's syllables
57 Second-generation Japanese-American (I. E., SIN anag.)
61 Sheep
63 First Israeli Prime Minister, David Ben-___
64 ___ acid
67 Las Vegas's state: Abbr.
68 On the ___ (fleeing)
69 Lily family
71 Bantam or Simon & Schuster: 2 wds.
72 Shadow
73 Check writer
74 Reinstatement of citizenship
76 Drench again
81 Actors' representatives
82 Corrosive liquid
84 6 on a telephone
85 Future predictor
87 Sore spot
89 Appeasing
92 Study of insects: Abbr.
93 Unnatural blondes?
95 ___ will (shoot when ready): 2 wds.
96 Sprinted
97 Talked on and on and on and. . .
99 Bandleader Brown
102 Stratagems
104 Inheritor
106 Drive-in waiters
108 Show discernment (SEINE anag.)
109 ___ off (anger)
111 Calendars' capacities
112 Once around the track
114 Large ship (SO GRAY anag.)
115 Inclined shelter
118 Baseball Hall-of-Famer Clemente
120 Roman 701
122 Mexican peasant
123 Back areas
125 Vanished
126 Go bad
132 Ordered dish by dish: 3 wds.
133 Strong currents
134 Rev. William, and others
136 Galactic features
138 Childhood ailment
139 School-zone sign
140 A square has four of them
143 Solidarity leader Lech
144 Ready to go: 2 wds.
146 Help out
147 As of yet
151 Stiller's partner
153 Golf course updigging
154 Ridiculous
156 Antelope of crosswords
157 Coming-out party girls
159 Israeli statesman Abba
161 Fits of anger
162 Singer James
164 Biological bag
165 Aunt, in Acapulco
166 Go wrong
168 Durocher or Gorcey
170 Deutschland: Abbr.

R. J. KAUFMAN



ANSWER, PAGE 64

HARD CLUES (CONT'D)

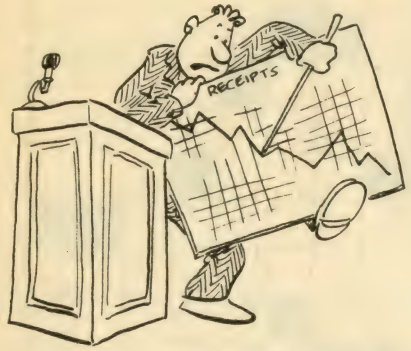
4 Market channel
5 Prefix for fix
6 George S.'s collaborator
7 Standard
8 Coniferous country
9 Kind of column
10 Open-weave cloth
11 Separation
12 "____ la la!"
13 Zigzag
14 Appropriate
15 Arden of fiction
16 Put back
17 Idea man's question
18 Bacon serving
19 Guarantees
20 Word on old tombstones
21 Truck scale unit
22 Quarterback's grunt
23 UFO staff?
32 Basement, maybe
36 Ultimatum phrase
39 Make free
41 ". . . experience to make ____ ": *As You Like It*
42 One-time cleaner gimmick
43 Contrarianism
44 Alternatively
47 Works in shifts
48 Pine
49 Enduring
51 Popular music magazine
53 Middling
54 Approach home, maybe
55 Plowhorse commands
57 Child of Japanese immigrants
61 Wool coat owners
63 David Ben-____, Israeli statesman
64 Protein acid
67 Sagebrush State: Abbr.
68 Flight
69 Rainbow: Prefix
71 Royalty server?
72 Sunspot spot
73 Invoicee
74 Homecoming
76 Treat laundry twice
81 Catalysts
82 NaOH
84 LP connectors
85 Prognosticator
87 Need liniment
89 Soothing
92 Insect: Prefix
93 Dr. Wayne and others
95 Shoot for
96 Akira Kurosawa film of 1985
97 Chattered
99 ____ *Girls* (Cole Porter musical)
102 Dodges
104 Successor
106 *American Graffiti* bit parts
108 Be discerning
109 Hole start
111 Planetary circuits
112 Circuit
114 Rich supply
115 Makeshift shelter
118 Boxer Duran
120 MMMDV ÷ V
122 Drudge
123 Stands up
125 Last word in auctions
126 Decompose
132 Menu section
133 Destructive forces
134 Sweethearts, at times
136 Space spirals
138 Spots from childhood
139 Road warning
140 Trees
143 Recent Peace Nobelist
144 Fully prepared
146 Basketball stat
147 Yet
151 Funny lady Anne
153 Duffers dig it
154 Goosy
156 African antelope
157 Socialist leader Eugene V.
159 *My Country* author
161 Exasperates
162 Kett of comics
164 Organic pouch
165 *Madre*'s sib
166 Offend
168 Sign of summer
170 Common Mkt. country

SAY WHAT? ★

BY ROBERT LEIGHTON

The eight cartoons below elicited rejection slips from every top magazine in the country. We couldn't understand why until we rechecked our submissions and realized the captions had been pasted under the wrong cartoons! Help us reunite each caption with its correct picture, and maybe *The New Yorker* will give us another chance.

ANSWERS, PAGE 61



1 *"Boy—they sure don't make 'em like they used to."*



2 *"Mr. Johnson! You were my high school guidance counselor!"*



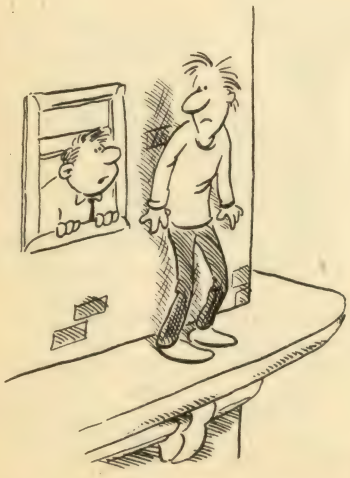
3 *"It was at this point we were forced to sell our easel."*



4 *"Do you have 'How To Understand Signs'?"*



5 *"Don't be silly—of course there aren't any children hiding in your closet."*



6 *"I told you not to try to get us in for children's price."*



7 *"Would you mind waiting a minute while I move my car?"*



8 *"Hold everything—isn't it 'I' before 'E'?"*

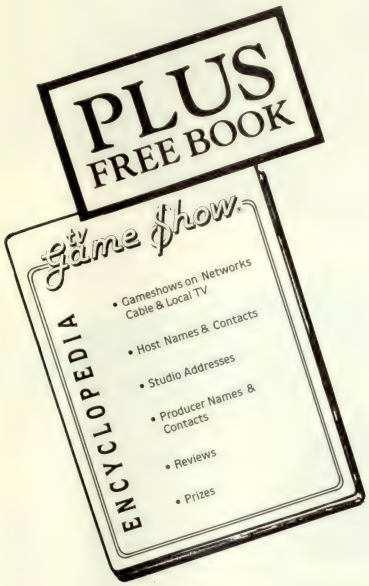
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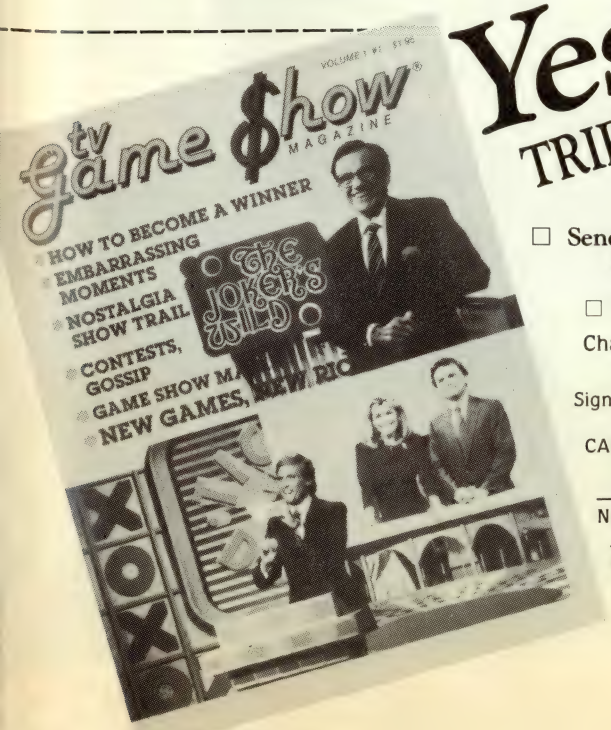
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Rock Garden ★

Can you identify these natural artworks?

Mother Nature can't take credit for the presidential portraits on Mount Rushmore, but she is a talented sculptress nonetheless. Perhaps you've seen some of her work—vaguely recognizable shapes she's carved out of the landscape. The postcards on these pages show 10 of her best. Can you match each picture (A-J) with the descriptive name (1-10) by which it is known?

ANSWERS, PAGE 58



A



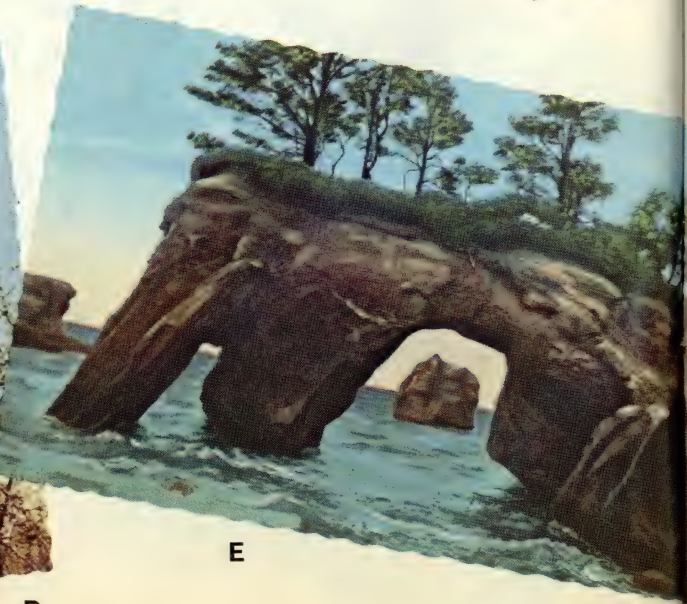
B



C



D



E



F



G

1. Alligator Rock *(Catskill Mountains, NY)*
2. Old Scotchman *(Pikes Peak region, CO)*
3. Whale Rock *(Texas Canyon, AZ)*
4. Mushroom Rock *(Ellsworth County, KS)*
5. The Poodle Dog *(north of Las Vegas, NV)*
6. Eagle Rock & Cradle Rock *(Texas Canyon, AZ)*
7. Siamese Twins *(Pikes Peak region, CO)*
8. Elephant Rock *(Olympic Peninsula, WA)*
9. Duck on the Rock *(Chiricahua, AZ)*
10. The Needle's Eye *(Black Hills, SD)*



H



I



J

Jack Barth, Doug Kirby, Ken Smith, and Mike Wilkins traveled cross-country last year collecting offbeat Americana for their book, "Roadside America." The book is available from Simon & Schuster.

The MELTING POT Quiz

by Robert Leighton

★☆

Scratch anything American, and you'll probably find something a little foreign. Even apple pie, the quintessential symbol of things American, came to us from England.

By the time the Statue of Liberty (itself a gift from France) was assembled in New York Harbor exactly one hundred years ago, immigrants had already begun to change the way America spoke, ate, and played. We've stirred up the melting pot a bit to see what makes it cook. See how familiar you are with its many and varied ingredients.

ANSWERS, PAGE 60

Assistant Editor Robert Leighton's paternal grandfather, Joseph Leibowitz, came to the U.S. from Transylvania.

HOWDY, NEIGHBOR!

Families arriving for the first time in the United States often choose to live among their own people, creating national pockets of ethnic groups. In which American city (a-g) would you be most likely to find the following surnamed families (1-7)?

1. Santini (Italian)	a. Miami
2. Sanchez (Mexican)	b. Honolulu
3. Peterson (Swedish)	c. San Francisco
4. Ito (Japanese)	d. New York City
5. Rodriguez (Cuban)	e. Chicago
6. Lee (Chinese)	f. Los Angeles
7. Kowalski (Polish)	g. Minneapolis

FIFTY INTO THREE

Three U.S. states are home to 50 percent of all foreign-born citizens in the country. Which three states are they?

FOREIGN EXCHANGE

The years 1901-1910 saw the United States population grow by 13 million people. How many of them were immigrants?

a. 2 million
b. 5 million
c. 9 million

TAKE A NUMBER

In recent years, the U.S. has cut back several times on the number of immigrants it permits to enter the country. As of 1980, when the most recent quotas were enacted, how many are allowed each year?

a. 27,000
b. 270,000
c. 2,700,000

INSIDE INFORMATION

Immigrants who want to become naturalized citizens must demonstrate some knowledge of America's history and governmental processes by answering such basic questions as: "How many judges are in the Supreme Court?" "What name is given to the first 10 Amendments to the Constitution of the United States?" and "Name the four freedoms given in the First Amendment." Do you know the answers?



MARQUEE BENDERS

Many celebrities change their given names to ones that sound less ethnic but are often, though not always, close to the originals. See if you can match the ethnic unknowns (1-7) to their more familiar aliases (a-g).

1. Belle Silverman	a. Pat Benatar
2. Michael Shalhoub	b. Martin Sheen
3. Patricia Andrejewski	c. Omar Sharif
4. Anna Maria Italiano	d. Beverly Sills
5. Allen Konigsberg	e. Walter Matthau
6. Ramon Estevez	f. Anne Bancroft
7. Walter Matuschanskayasky	g. Woody Allen

I Just Flew in From . . .

Some of America's most noted personalities were once strangers in a strange land. Can you match each of these famous immigrants (1-8) with his birthplace (a-h)?

1. Isaac Asimov	a. Copenhagen, Denmark
2. Victor Borge	b. Petrovichi, Russia
3. José Greco	c. Lancashire, England
4. John Houseman	d. Abruzzi, Italy
5. Engelbert Humperdinck	e. Bucharest, Rumania
6. Ted Koppel	f. Berlin, Germany
7. Mike Nichols	g. Haifa, Israel
8. Gene Simmons (of KISS)	h. Madras, India

Foreign Flavor

Dumplings and pancakes seem to be staples in virtually every ethnic cuisine. Can you match each foreign-flavored dumpling (1-6) with its ethnic counterpart, the stuffed pancake (a-f), and name the culture of origin for each pair?

1. gnocchi	a. tamales
2. albondigas	b. crêpes
3. quenelles	c. manicotti
4. kreplach	d. blintzes
5. won tons	e. blini
6. piroshki	f. eggrolls



STEPHEN SWEENY

Whaddya Say?

More than 10 percent of American adults speak a language other than English at home. Place these foreign languages in order of their frequency of use in the United States.

a. Polish
b. French
c. Spanish
d. Italian
e. German
f. Chinese

Pardon Our French

Many words entered our language through foreign tongues used by visitors to describe American experiences. Can you tell which language gave us each of the following groups of familiar words?

1. barbecue	2. wagon	3. klutz
macho	yacht	schlock
ranch	stoop	chutzpah
stampede	sketch	maven

4. balcony	5. pretzel
piano	delicatessen
studio	hamburger
carnival	kindergarten

O Tannenbaum

Our many Christmas traditions have very diverse origins. See if you can match each Christmas "gift" (1-7) with the culture that gave it to us (a-g).

1. Plum pudding	a. Jewish
2. Christmas trees	b. Mexican
3. Kissing under the mistletoe	c. Danish
4. The man who wrote "White Christmas"	d. German
	e. Scandinavian
5. Poinsettia flowers	f. British
6. The "X" in "Xmas"	g. Greek
7. Christmas seals	

Good Idea

Upon whose culture do historians believe the Founding Fathers modeled the United States Constitution?

a. Iroquois (American Indian)
b. Belgian
c. Norwegian
d. Russian
e. Pakistani

Nation Identification

You don't have to turn to foreign-language stations to see people from abroad on television. These 10 foreign-born characters were featured in popular American TV shows. Can you name them?

1. *Kung Fu*'s shaven-headed martial artist, who emigrated from China to the Old West
2. The German housekeeper who helped keep things straight for a dizzy governor on *Benson*
3. *Saturday Night Live*'s swinging Czechoslovakian brothers who picked up "foxy babes" with their broken English
4. The Cuban bandleader whose wife caused havoc everywhere she went on *I Love Lucy*
5. The Japanese owner of the typical 1950s drive-in malt shop on *Happy Days*
6. The blond, self-possessed, Russian partner on *The Man From U.N.C.L.E.*
7. The shy Italian mouse puppet regularly seen on *The Ed Sullivan Show*
8. The Korean wife of an American hospital worker on *AfterMASH*
9. The pair of dotty English girls who lived upstairs on *The Odd Couple*
10. The naïve garage mechanic of completely indeterminate origin on *Taxi*

TIME FOR A CHANGE

AN AUTOMATED SEQUENCE PUZZLE ★★

Puzzle by Barry Simon
Photographs by Nick Koudis

Getting a flat tire is bad enough, but having to change it is worse. Our motorist-in-distress managed the feat with some help, and hindrance, from two passersby.

The photographer who recorded the scene, however, sent us the 14 photos (labeled A–N) out of order. Can you restore them to their correct sequence? ANSWER, PAGE 58


A


B


C


D


E


F



G



H



I



J



K



L



M



N

WHAT ARE THESE OBJECTS?

1

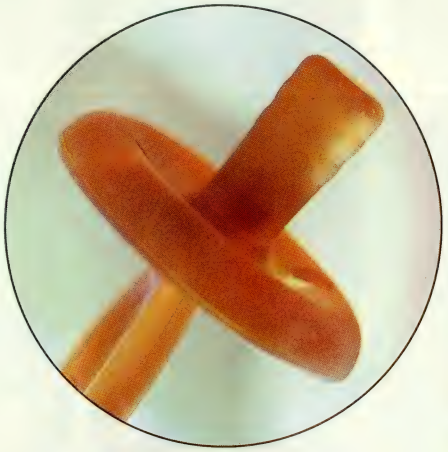


CLUES

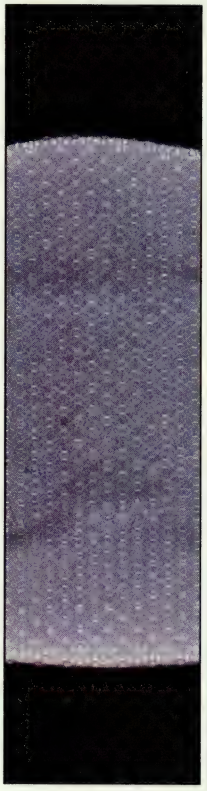
1. In the jeans
2. All-day sucker
3. Stuck on you
4. How sweet it is!
5. Thirst aid
6. The ties that bind
7. The ripe stuff
8. Pushing it

ANSWERS, PAGE 59

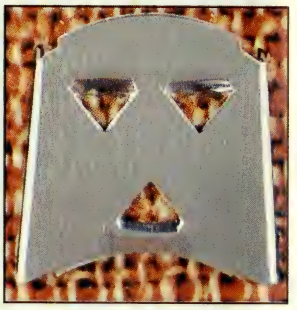
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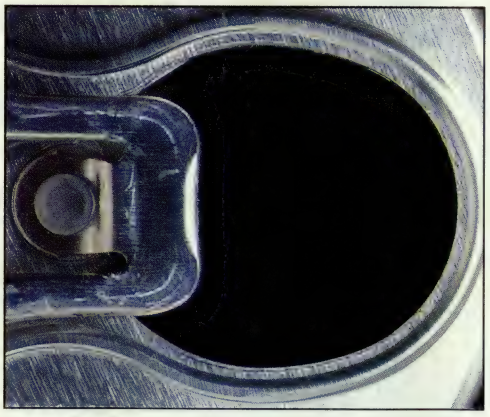
3



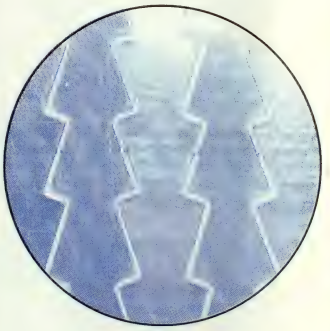
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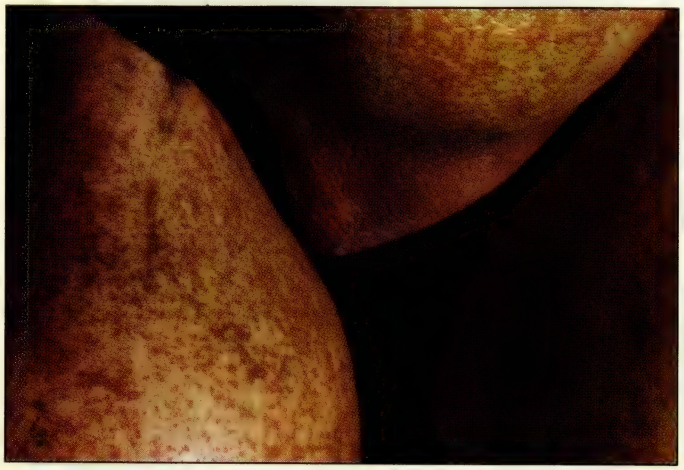
5



6



7



8



PLAY IT SOLITAIRE, TOO!

Sherlock Holmes

CONSULTING DETECTIVE

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GAMES & BOOKS

EDITED BY BURT HOCHBERG

WARRIOR KNIGHTS

Games Workshop, around $25



Much like its highly praised 1984 game Talisman, Games Workshop's Warrior Knights is a sophisticated yet easy-to-play boardgame.

Each of two to six players takes the role of a medieval baron seeking to become Lord of the Empire. Moving on a colorful mapboard made up of castles, cities, mountains, and plains, the barons and their minions try to fight and scheme their way to domination of the realm. Each baron has four nobles and a body of fighting men. The barons themselves always remain in their respective strongholds, where they oversee the income-producing concessions they control (such as wool or wine) while guarded by their personal armies.

The game is played in turns, each turn consisting of two Movement rounds followed by the important and exciting Assembly round. To begin each turn, a Fate card is drawn for each baron, which can trigger such events as a peasant uprising or an outbreak of the plague. The players then move their nobles and troops to attack cities, castles, or opposing nobles.

Captured cities provide income for the barons who control them, and they can be strengthened by garrisons and improved to increase the income they generate. They can also be razed, permanently removing them from the game. Since the winner is the player who controls half of the active cities, razing a city reduces the number needed to win.

The Assembly rounds are where the game really comes to life. "Motions" are drawn from the Assembly deck and are voted on by the assembled barons. Motions may involve the awarding of valuable concessions to a baron, or a holy office to a noble (such as Bishop of Vecht, an office that carries 50 troops along with the title), or the appointment of a baron to a lucrative—but hazardous—governorship. The number of votes a baron may cast depends on how much cash he has and how many cities he controls, and he gets extra votes if he controls the Royal Pretender (activated by a Fate card).

Since income tends to produce income in this game, players will need to form alliances to stop a powerful baron from taking complete control. The rules gleefully encourage all sorts of private arrangements, including vote-trading and cash loans, which, as usual, may be accompanied by all sorts of back-stabbing and double dealing.

Warrior Knights is loaded with interesting touches—you can, for instance, launch trading fleets to the Indies, bid for mercenaries, and besiege fortresses. It's a real delight, one of the best games of its kind in many years.

—Matthew J. Costello

PAGO PAGO

Just Games, 133 Meadbrook Rd., Garden City, NY 11530; $13 plus $2 postage

If you find yourself arguing with your spouse or siblings for the right to solve the daily newspaper crossword, Pago Pago should make the argument a bit more civilized.

Designed for two to four players (two teams of two is best), the game is played on a two-foot-square game sheet containing four different daily-size crosswords, one facing each direction. Starting simultaneously with differently colored pencils, players hurry to fill in the grids, each working on the puzzle in front of him. Every three minutes (an egg-timer is included), play stops, the game sheet is rotated, and players continue where their adjacent opponents left off.



STAN FELLERMAN

The game ends when all the puzzles are completed to the best of the players' abilities. Scores are then tallied based on the number of correctly entered letters of each color, with penalties for errors and bonuses for correcting opponents' errors. Answers are provided.

The 24 puzzles supplied, created by veteran constructor William Lutwiniak, are topnotch, with a common theme uniting the four used in each game. With solvers of fairly equal ability, Pago Pago is the best way, short of a full-scale crossword tournament, to turn this solitary sport into a cutthroat competition. —M. S.

RUPICOLA

Rupicola Productions, Inc., 1300 Washington St., Walpole, MA 02081; $15 plus $2 postage



At first glance you may think that Rupicola is another of those race games in which the object is simply to move a token from here to there. It is a race game, but there are exciting complications. Not only can you place obstacles (in the form of gates) in the way of opponents who are doing too well, but you can also make "contracts" with other players, specifying how many gates to place and where to place them. The game is for two to six players, but because the contract rules don't apply in two-player games (other special rules are used), it's best with three or more.

Beginning on a track surrounding an outer courtyard, players try to progress inward through gateways in three walls and to be the first to enter the Castle Keep at the center. Movement is controlled by a spinner, which allows moves of one to three spaces per turn.

To hinder one another's progress, players may place one or two gates across the gateways that connect the outer and inner courtyards. It's important to get some gates into play quickly; otherwise, a player could zip through to the Keep in as few as four turns.

Each player starts with a supply of gates (from three to nine, depending on the number of players). Opening a gate costs either two or three keys, depending on the gate's location. The opened gate is then added to the supply of the player who opened it. Each player also starts with five keys, and more can be earned in various ways: Moving through a gateway in an outward direction earns two keys, and you can "steal" an opponent's key by landing on his token.

Negotiating contracts also earns keys, one for each gate placed in a fulfillment of a contract. Interestingly, contracts often involve placing gates that may block the contracting players themselves; but the gates would be placed anyway, so you might as well earn keys in the process. (Keys are earned only for gates placed by contract, not otherwise.)

Rupicola can optionally be used with any color-coded trivia card game (the board spaces are colored to match trivia categories, and keys are earned for correct answers), but most players will probably want to forgo this option.

—Sid Sackson

PUZZLES FOR YOUR HAND

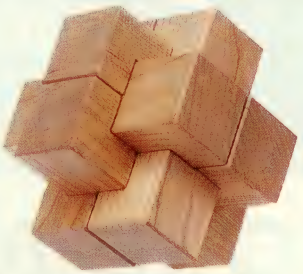
Manipulative puzzles are an ancient form of diversion, but we've seldom come across any as challenging and beautiful as these three.

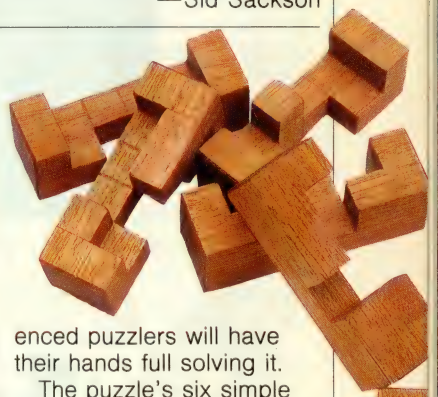
Janus (available from Welsh Village Woodworking, Rte. 2, Box 18, Welsh, MN 55089; $35 incl. postage) is a two-sided maze attractively crafted of cherry wood. The brass ball provided needs a little push to squeeze it into the entrance hole, and once inside, its only way out is the larger escape hole in the opposite corner on the other side.



Getting the ball out involves judicious physical manipulation as well as careful thought, since the paths weave back and forth between the two sides. Dead ends and loops abound, but only one route leads to the escape hole.

Take a long look at the **Tiger Mosaic** (available from Bits & Pieces, 1 Puzzle Place, Ridgely, MD 21685; $50 plus $4.95 postage) before removing the pieces from the frame. There are only about 100 pieces, but, since they do not interlock as in regular jigsaws, getting them back in their proper places may take you the better part of a long day. This handsome puzzle is made of three different kinds of wood. The pieces are thick and satisfying to play with, and the frame, signed by the artist, is backed with felt to protect your table. When you've finally solved it, you can display it proudly, as you would any fine piece of woodcraft.





There are thousands of variations on the classic six-piece burr puzzle (a three-dimensional cross made up of six interlocking pieces), but **Bill's Baffling Burr** (available from Stewart T. Coffin, 79 Old Sudbury Rd., Lincoln, MA 01773; $20 incl. postage) must be the toughest. This hardwood puzzle was designed with the aid of a computer, and even experienced puzzlers will have their hands full solving it.

The puzzle's six simple pieces come unassembled, and putting them together involves a surprisingly tricky series of moves. Warning: The solution is not included, and the maker fiendishly refuses to provide it. —S. M.



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CONTEST RESULTS

FROM FEBRUARY

DEJA VU

We're not sure whether it was the chance to win a VCR or the apparent simplicity of the challenge, but whatever the reason, GAMES readers responded overwhelmingly to this through-the-book scavenger hunt. In all, around 55,000 entries were received, a total surpassed only by our first three Games 100 contests (1981-83).

The idea was to locate the page on which each of 10 images on the February cover could also be found, then to add up those page numbers and send us the total. It was a deceptively simple task, as indicated by the fact that only about half the entries had the right answer—250. An awful lot of people seem to have fallen for one or both of our deliberate traps.

The rules stated that although some of the cover images may have been rotated, none had been flipped to a mirror image. Many entrants were fooled by the corner of the Emergo board at the bottom of the cover. The board appeared on two inside pages, 2 and 48, but the cover image was a mirror reflection of the board on page 48. The exact duplicate, therefore, was the one on page 2.

The rules also said that each cover image was "exactly the same size" as its original within the magazine. Some readers, in trying to match the letter T on the cover, were caught on the wrong page. A large italic T appeared on both pages 14 and 15, but only the one on page 14 was the same size as the one on the cover.

A random draw among the thousands of correct entries determined that the grand-prize winner is Betty J. Gunn-Smith, of Stockton, CA, who wins a video cassette recorder. The 10 runner-up entries, who each win a GAMES T-shirt, are: Mireille Aubé, Brossard, Quebec, Canada; Ken Bryden, Fairfield, CA; James T. Cocca, Montclair, NJ; Sharry Lee Gregory, Indianapolis, IN; Chad Griffith, Devon, Alberta, Canada; Harry Harrington, Marshville, OH; Gail Hicks, K. I. Air Force Base, MI; Barry and Karen Jess, Colorado Springs, CO; John M. Mishler, San Francisco, CA; and Pat Tate, Obion, TN. —B. H.

FROM MARCH

WORD GEOGRAPHY

"Interdenominationalisms" is not a word that comes up often in conversation, but it came up in every one of the prize-winning entries in this word-making contest.

Given a map of the United States, readers were challenged to form as few words as possible by taking one letter at a time from each state. A word could start anywhere, but each successive letter had to be taken from a bordering state—a rule that some entrants overlooked. Since each state had to be used once and only once, the resulting list of words had to contain exactly 50 letters. And since ties would be broken in favor of the longest words, entrants went out of their way to travel as far as possible nonstop.

Of the nearly 1,400 entries received, three tied with lists of four words containing 23, 14, 10, and 3 letters. All of them included INTERDENOMINATIONALISMS, and all included either INTERNATIONALS or ASSOCIATIONISM, MATTERATED or ANCHORLESS, and ISM or AND.

The winner, by random draw from among the entries with the longest four words, is Kyle Corbin, of Raleigh, NC, who wins a copy of *The Times Atlas of the World*. His sequence of states is given below. Two of the runner-up prizes of a GAMES T-shirt go to Michael Wolfberg, Concord, MA, and Ralph Heimbaugh, Morton, IL. The other T-shirt winners are Mike Weepie, Cedar Rapids, IA, with words of 23, 13, 8, and 6 letters; Dan Saucier, Cornwall, Ontario, Canada (23, 11, 9, and 7); and both Carolyn Cavanaugh, Fredericksburg, VA, and Jim Lynch, Wantagh, NY, who tied with words of 23, 11, 8, and 8 letters. —B. H.

The Winning Entry

INTERDENOMINATIONALISMS: Maine, New Hampshire, Vermont, New York, New Jersey, Delaware, Pennsylvania, West Virginia, Ohio, Michigan, Wisconsin, Minnesota, North Dakota, Montana, Wyoming, South Dakota, Nebraska, Iowa, Illinois, Missouri, Arkansas, Oklahoma, Kansas (23)

INTERNATIONALS: Mississippi, Louisiana, Texas, New Mexico, Colorado, Arizona, Nevada, Utah, Idaho, Oregon, California, Hawaii, Alaska, Washington (14)

MATTERATED: Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Tennesse, Kentucky, Indiana (10)

AND: Massachusetts, Connecticut, Rhode Island (3)

FROM MARCH

U.S. OPEN UPDATE

More than 9,000 crossword fans sent entries in this year's GAMES Magazine/Merriam-Webster U.S. Open Crossword Championship.

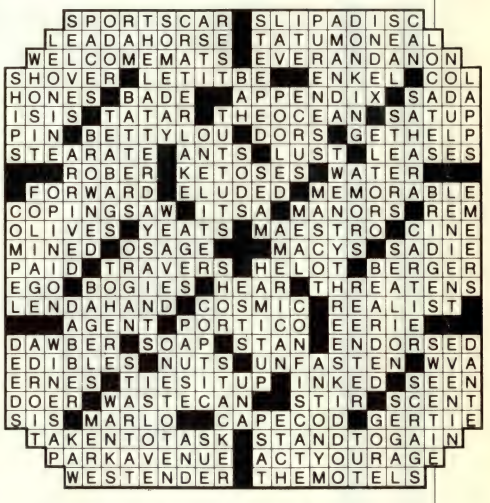
The Qualifying Puzzle, which appeared in the March issue, was apparently slightly harder than usual. Only about 70% of the contestants got it completely right. The commonest mistakes were putting KETONES for KETOSES ("Organic sugars") at 55-Across, making NEAMS instead of SEAMS reading down; and WASKS for WANKS ("Old river of Nicaragua") at 124-Down, making TAKES TO TASK instead of TAKEN TO TASK reading across. The solution to the puzzle appears below.

The number of solvers in the participant category this year totaled 2,500. Those with perfect solutions received a set of four Tiebreaker Puzzles in May. Based on these, the 250 highest scorers will be invited to the finals in New York City on August 16 to compete for $3,250 and other prizes. Results will appear in a future issue.

In the nonparticipant category (6,500 entries), one correct solution was drawn at random for the $500 first prize. The winner is Marie Klein, of Geneva, NY.

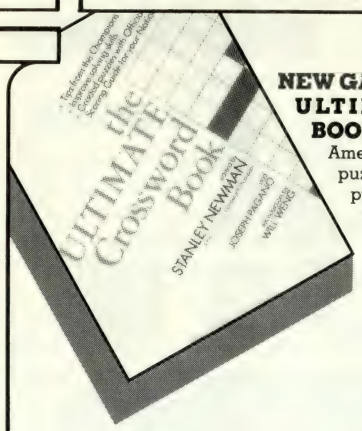
Copies of the Tiebreaker Puzzles are still available for those who'd like to try them for fun. Send $5 (check or money order payable to GAMES) and a stamped return envelope to Tournament Tiebreakers, GAMES, 1350 Avenue of the Americas, New York, NY 10019.

—W. S.

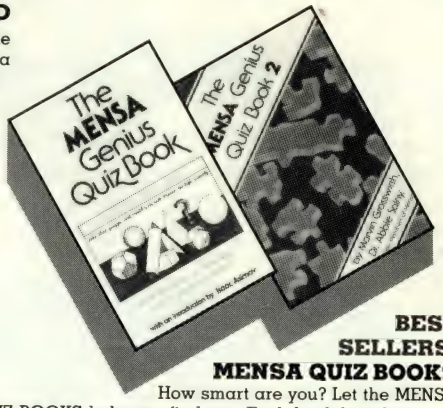


Solution to the Qualifying Puzzle

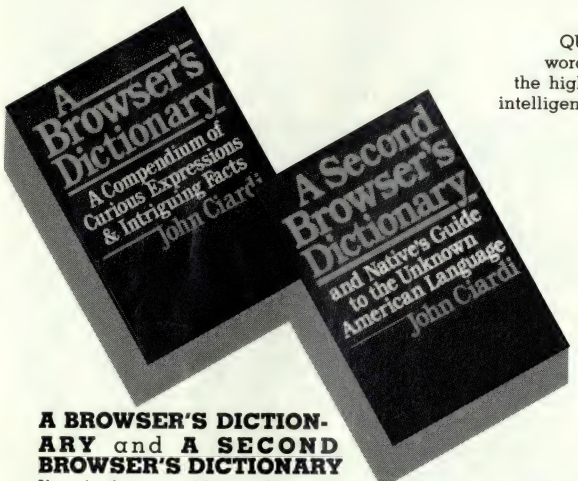
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FOR THE RECORD

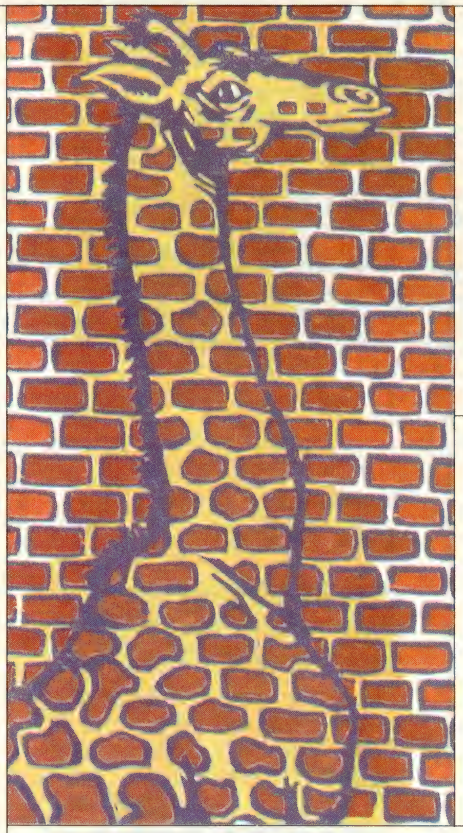
SPEAK LIKE A SAILOR

If you know your bow from your stern and port from starboard, you're ready to try this nautical quiz. Match the words and phrases (1–12) used by mariners with their meanings (a–l).

1. Against the sun
2. Shellback
3. Jibber the kibber
4. Mug up
5. Smokejack
6. Sailor's friend
7. Donkey's breakfast
8. Jonah
9. Mudhook
10. Salt horse
11. A lump of sea
12. Cat's paw

a. A mattress filled with straw
b. Huge waves
c. A person or thing thought to be the source of bad luck
d. A light air current that just slightly moves the water's surface
e. Counterclockwise
f. An old sailor
g. The moon
h. Go below for coffee
i. A steamship
j. The anchor
k. Beef or pork that's been pickled in brine
l. Use false lights to decoy ships ashore

—Donna Zelzer



TRIVIA

FUNNY BUSINESS

What do the following words and phrases have in common?

horse feathers
on the fritz
goon
Sadie Hawkins' Day
zap
security blanket

—R. L.

TEASERS

CONVERGENT PAIRS

What do the following pairs of words have in common?

1. heavy–dark
2. young–new
3. wrong–left
4. win–find
5. coarse–sick
6. soft–easy

—Richard Lederer

WORDPLAY

ZOO STORY

Movies featuring animals have always been popular, but most moviegoers never noticed the critters prominently featured in the films listed at right. Replace each asterisk with the name of a common animal to form a movie title.

—Andrea Carla Michaels

1. *Mos* on the Hudson*
2. **ch-22*
3. *Ma*m Force*
4. *The Black*d Jungle*
5. *A P*age to India*
6. *Pygma**
7. **ot*
8. **itt*
9. *The Gr*s of W*h*

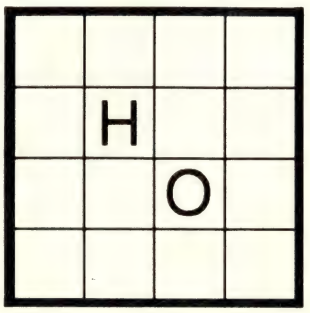
LOGIC

LETTER BOXES

Arrange the letters from A to P in the squares of the grid according to the following clues. (H and O have already been placed in the grid.) The solution is unique.

1. No row or column contains either two consecutive letters of the alphabet or two vowels.
2. B occupies the top row, but P does not.
3. C occupies a corner square, as does M.
4. D is in the rightmost column, as is J.
5. K is in the same row as E.

—Virginia McCarthy



LARS AND LOIS HOKANSON

ANSWERS, PAGE 62

TRIVIA? YES. TRIVIAL? NO.

With knowledge of trivia becoming more important every day in our information-packed world, no one should be—or need be—left behind.

City College at Wichita is offering two unique courses in Trivia, through its own facilities and those of 24 city colleges throughout the United States.

Introduction to Trivia (course A101) is a beginner's program offering literally thousands of unrelated bits of information, from the derivation of the word *bleachers* (so called because these cheap seats in a ball park were situated in the sun, and became bleached a lighter color as a result) to the name of the theme song from *M*A*S*H* ("Suicide is Painless").

Trivia: An Understanding (course B210) is an in-depth program providing richly detailed background information—the trivia behind the trivia. With this course, you'll be able to provide not only the middle initial shared by Bullwinkle Moose and Rocky Squirrel (it is *J*), but also explain why they were so named (after their creator, Jay Ward). The two-course combination will make you feel, and seem, like a well-rounded person, full of minutiae from a huge number of unrelated fields.

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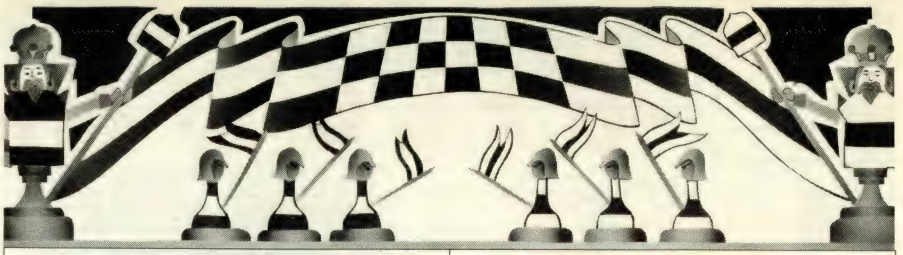
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FOR THE RECORD

SMALL TOWN STATE

According to the 1980 census, there's only one U.S. state in which no city has a population of 50,000 or more. Can you name it?

—Doug Putnam

TOUGH NUTS

ONE TO TEN

To write the numbers ONE to TEN inclusive, you must use the digit N exactly ONE times.

Can you make the preceding sentence true by replacing O, N, E, and T each with a different digit from 0 to 9?

—Guney Mentes

WORDPLAY

CAPITAL GAINS

If you can guess the correct answer to each of the clues below, you'll be able to rearrange its letters to form the name of a world capital. For example, the answer to number 1 is MORE, which can be anagrammed into ROME. (The digit after each clue indicates the number of letters in the answer.) Can you solve the rest?

1. A greater amount (4)
2. Postman's delivery (4)
3. Song for one singer (4)
4. Twosomes (5)
5. Inch, gram, hour, etc. (5)
6. Public square (5)
7. Soccer scores (5)
8. Bungle, with "up" (5)
9. Critter (6)
10. Hurry; rush (6)

—Len Elliott

TRIVIA

WOOFERS AND TWEETERS

Some people say pop music has gone to the dogs, and others think it's for the birds. As this puzzle shows, they're all correct. Can you match each song (1–8) to its singer (a–h) in each set of the two sets—Woofers and Tweeters—below?

—Catherine Cella

Woofers

1. "Me and You and a Dog Named Boo"
2. "Puppy Love"
3. "Hound Dog"
4. "Snoopy Vs. the Red Baron"
5. "Hey Bulldog"
6. "How Much Is That Doggie in the Window?"
7. "If Dogs Run Free"
8. "Bird Dog"

a. Elvis Presley
b. The Everly Brothers
c. Patti Page
d. The Royal Guardsmen
e. Donny Osmond
f. Lobo
g. Bob Dylan
h. The Beatles

Tweeters

1. "Rockin' Robin"
2. "When Doves Cry"
3. "Bye Bye Blackbird"
4. "Free Bird"
5. "Mockingbird"
6. "Pretty Flamingo"
7. "Nightbird"
8. "Blackbird"

a. James Taylor and Carly Simon
b. Lynyrd Skynyrd
c. Stevie Nicks
d. Paul McCartney
e. Rod Stewart
f. Fats Domino
g. Prince
h. Michael Jackson

PATRICE RIVERAIN

ANSWERS, PAGE 62

HERE, AT LAST, AMERICA!



A magazine that hasn't a clue as to who will become president in 1988..that doesn't have the foggiest notion whether there's life in outer space...that won't help you lose weight, improve your golf game, and positively will not keep you up-to-date on what's happening in the world of business and finance!

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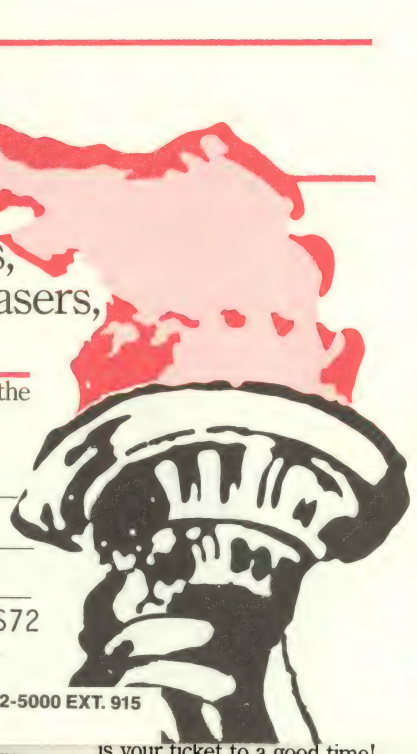
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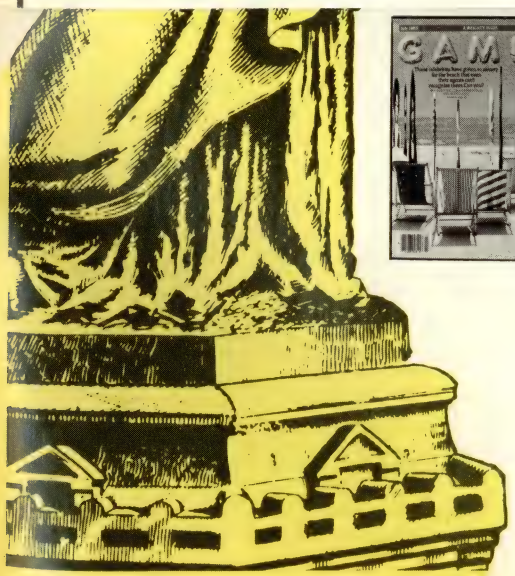
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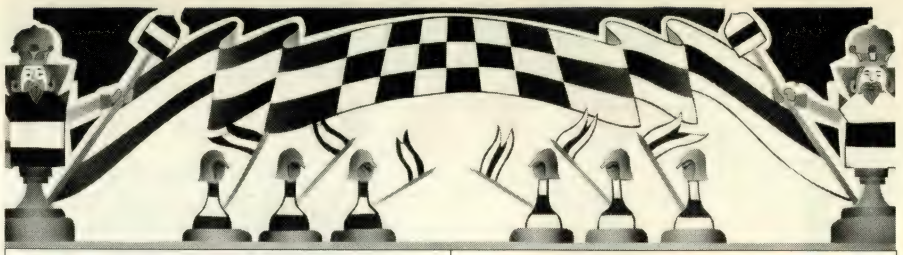
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Wooters

1. "Me and You and a Dog Named Boo"
2. "Puppy Love"
3. "Hound Dog"
4. "Snoopy Vs. the Red Baron"
5. "Hey Bulldog"
6. "How Much Is That Doggie in the Window?"
7. "If Dogs Run Free"
8. "Bird Dog"

a. Elvis Presley
b. The Everly Brothers
c. Patti Page
d. The Royal Guardsmen
e. Donny Osmond
f. Lobo
g. Bob Dylan
h. The Beatles

Tweeters

1. "Rockin' Robin"
2. "When Doves Cry"
3. "Bye Bye Blackbird"
4. "Free Bird"
5. "Mockingbird"
6. "Pretty Flamingo"
7. "Nightbird"
8. "Blackbird"

a. James Taylor and Carly Simon
b. Lynyrd Skynyrd
c. Stevie Nicks
d. Paul McCartney
e. Rod Stewart
f. Fats Domino
g. Prince
h. Michael Jackson

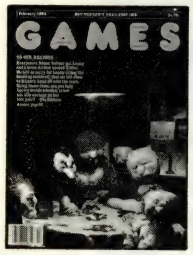
PATRICE RIVERAIN

ANSWERS, PAGE 62

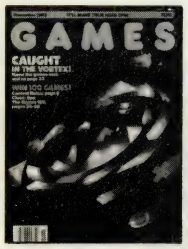
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A magazine that hasn't a clue as to who will become president in 1988..that doesn't have the foggiest notion whether there's life in outer space...that won't help you lose weight, improve your golf game, and positively will not keep you up-to-date on what's happening in the world of business and finance!

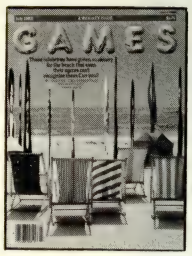












BUT...if you turn to the Crossword Puzzle before you read the news columns...if your pulse races at the challenge of an intricate maze or brainteaser...if you can't resist exciting word games, number games, logic games, cryptograms...and if you want to keep up-to-date on the latest games around...

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HWS64

ANSWERS

4 YOUR MOVE

Four Little Words
1. TALLY; 2. PEARL; 3. AMEND; 4. PLEAD; 5. TWINE or TRIPE

On A Roll
In each move, shift the underlined cartons to the upper (right-hand) end of the track.

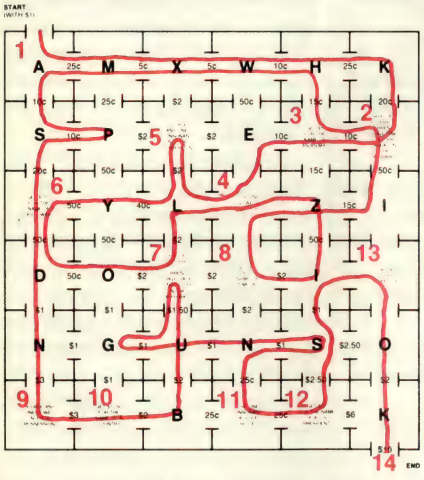
8	6	2	5	10	1	3	7	9	4
8	6	2	3	7	9	4	5	10	1
8	6	7	9	4	5	10	1	2	3
8	6	7	9	10	1	2	3	4	5
8	9	10	1	2	3	4	5	6	7
1	2	3	4	5	6	7	8	9	10

Fruit Salad

90852
-5280
85572

Identity Crisis
1–i, 2–d, 3–g, 4–a, 5–c, 6–b, 7–l, 8–k, 9–e, 10–h, 11–f, 12–j (later Earl of Greystoke)

30 WORD QUEST



The correct route is shown above. Except in the first room, take all letters as soon as you find them.

The following actions are done in the numbered rooms (listed in the order they occur). The amount of money and any letters you have at each point are given in parentheses.

1. Don't take the A. ($1.00)
2. M-X-W-H-K becomes N-Y-X-I-L. (10¢; N-Y-X-I-L)
3. Get $5.00 for LYNX. ($5.00; I)
4. Lose the E. ($4.90; I)
5. Double the L. ($2.90; L-L-I)
6. Get $7.50 for LILY. ($7.50)
7. D-O becomes C-N ($4.50; C-N)
4. No vowel to lose. ($2.50; C-N)
8. Get $10.00 for ZINC. ($10.00)
4. No vowel to lose. ($10.00)
2. I becomes J. ($9.35; J)
3. No action. ($9.25; J)
1. Take the A. ($8.65; J-A)
6. No action. ($8.15; J-A-S-P)
9. Double the A. ($3.65; J-A-A-S-P-N)
10. Get $12.50 for JAPAN. ($13.15; S)
7. S-B-U becomes R-A-T. ($7.65; R-A-T)
11. Lose the S. (90¢; R-A-T-G-N)
12. Get $15.00 for GRANT. ($15.65)
13. No letter to lose ($12.15)
14. Escape with 15¢ and letters O-K left.

18 SEEING THE LIGHT

Distorted Room
At first glance, the room looks ordinary—but, in fact, the floor slopes down sharply to the left, and the left side of the rear wall is much farther from the viewer—and is much higher—than the right side of the same wall. The clocks and windows on the left side are also distorted, and are larger than they appear. A person standing at the far left side of the room is therefore much farther from the viewer than the person on the right side. But because all the visual clues make us believe the room is a normal one and that the people in it are standing close to one another, our perception is that the person on the left is smaller than the person on the right.

In reality, the man with the mustache is the tallest of the three, and the woman is the shortest.



Everyone Is You and Me
Face A is a blending of 4 and 5; face B is a composite of 1 and 6; face C combines 2 and 3.

42 ROCK GARDEN

A–9, Duck on the Rock
B–5, The Poodle Dog
C–4, Mushroom Rock
D–6, Eagle Rock & Cradle Rock
E–8, Elephant Rock
F–7, Siamese Twins
G–10, The Needle's Eye
H–3, Whale Rock
I–2, Old Scotchman
J–1, Alligator Rock

Postcard credits: Alligator Rock, George Greenberg and Son, a "colourpicture" publication, Boston, MA; Old Scotchman and Siamese Twins, © Sanborn Souvenir Co., Inc., Denver, CO; Whale Rock, Eagle Rock & Cradle Rock, and Duck on the Rock, distributed by Petley Studios, Tempe, AZ; Mushroom Rock published by Dunlap Post Card Co., Omaha, NE; The Poodle Dog distributed by Las Vegas News Agency, Las Vegas, NV; Elephant Rock card made by E. C. Kropp Co., Milwaukee, WI; The Needle's Eye published by Johnston & Bordewyk, Rapid City, SD.

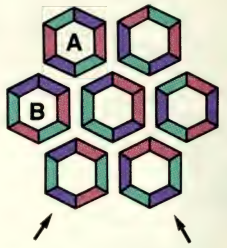
46 TIME FOR A CHANGE

The correct sequence is: L, K, C, J, G, N, F, I, H, M, A, E, B, D. In L, the woman discovers the flat, and in K, C, and J is in the process of removing it. She gets out the spare tire (G) and begins to put it on under the watchful eye of a dog who has happened by (N). The dog buries her tire iron (F). The dog's master comes by (I), and he and the woman discover the loss of the tire iron (H). They realize that the dog has buried it (M), and the man digs it up (A). He finishes changing the flat (E, B), and the woman drives off (D).

22 BEGUILERS

Circular Logic
D doesn't belong. The beads on the other three bracelets are arranged in the same order around the circle. On bracelet D, the purple square and pink circle are switched.

Going Nuts
Since the two green and two pink sides of nut B are visible, the two hidden sides must be purple. One of these purple sides faces a visible purple side of nut A.



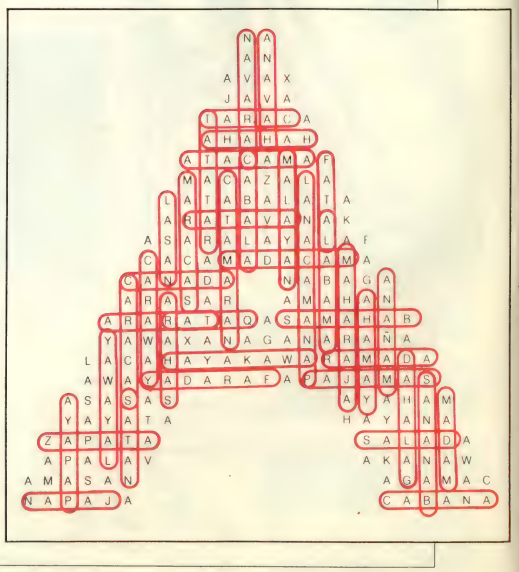
(The two hidden sides of other nuts may be colored in different ways without affecting the solution.)

Under Lock and Key
From left to right, the keys should be blue, white, purple, pink, and green.

Beady-Eyed
Row 1-A (turn over top two beads, then three, four, etc.);
Row 2-B (turn over three beads, then five, three, five, three);
Row 3-C (turn over all beads, then add another in the sequence blue, green, purple, blue, green, purple.)

Chain Reaction
A is different. (The purple link in the upper left of B corresponds to the purple-black link in C; the blue-green link at the top of B is the lower right green link in C; and so on, in clockwise order around the chains.)

26 THE A TEAM



ANSWERS

14 LOGIC

Earth
Forrest, a Capricorn, owns a peat bog.
Marsha, a Taurus, owns a tobacco field.
Tundra, a Virgo, owns a gravel pit.

Air
The message went from Tony (talking about Helen) to Denise (about Helen) to Tonya (about Helen) to Danny (about Ellen) to Donna (about Ella) to Toby (about Ella) to Dinah.

Fire
On Monday, Neet the taster was fired for tardiness and Sharpe the weigher for sloppiness.

On Tuesday, DeScreet the loader was fired for forgetfulness.

On Wednesday, Swahv the unloader was fired for rudeness.

On Friday, Defft the parer was fired for clumsiness and Earley the labeler for nosiness.

Water
Ed Baye owns Trotter, Chuck Lake owns Lopes, Ben Pond owns Chaser, Abe Poole owns Tracker, and Dale Tarn owns Paddles.

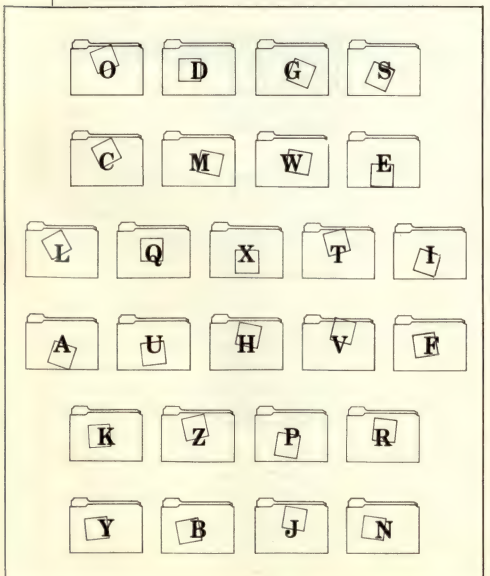
The men finished in this order: Chuck Lake, Abe Poole, Ben Pond, Dale Tarn, and Ed Baye.

The dogs finished in this order: Chaser, Trotter, Tracker, Paddles, and Lopes.

27 LADY'S DAY

J	A	C	K	S	■	F	L	E	D	■	S	L	E	W
U	N	L	I	T	■	L	O	L	A	■	T	A	T	A
S	T	A	T	U	E	O	F	L	I	B	E	R	T	Y
T	I	D	E	■	R	O	T	■	Q	U	A	K	E	S
■	■	■	■	H	A	D	■	M	U	S	K	■	■	■
S	P	A	D	E	S	■	M	A	I	■	S	A	S	H
T	I	L	E	R	■	B	U	R	R	■	■	P	E	A
O	N	L	I	B	E	R	T	Y	I	S	L	A	N	D
R	K	O	■	■	A	Y	E	S	■	W	O	R	S	E
M	O	W	S	■	T	A	D	■	S	A	U	T	E	S
■	■	■	L	I	M	N	■	E	E	K	■	■	■	■
A	R	G	O	S	Y	■	I	R	A	■	T	E	S	S
K	E	E	P	T	H	E	T	O	R	C	H	L	I	T
I	N	R	E	■	A	G	E	D	■	B	A	S	T	E
N	O	E	S	■	T	O	M	E	■	S	T	E	E	P

34 COVER UP



28 DSZQTIONARY HINTS

TUTOR. The eighth word is PLAYER.
PRO AND CON. The ninth word is PLAYER.
DOWN IN THE MOUTH. The eighth word is WHILE.
FLY-BY-NIGHT. The fifth word is ONE.
PALISADE. The fifth word is USED.
FOUNTAIN OF YOUTH. The fifth word is LIFE.
LISTLESS. The fourth word is FROM.
WITHDRAWALS. The last word is OTHER.

10 GAMEBITS

Low Volumes
The fake title is *The Story of a Parakeet Without a Conscience.*

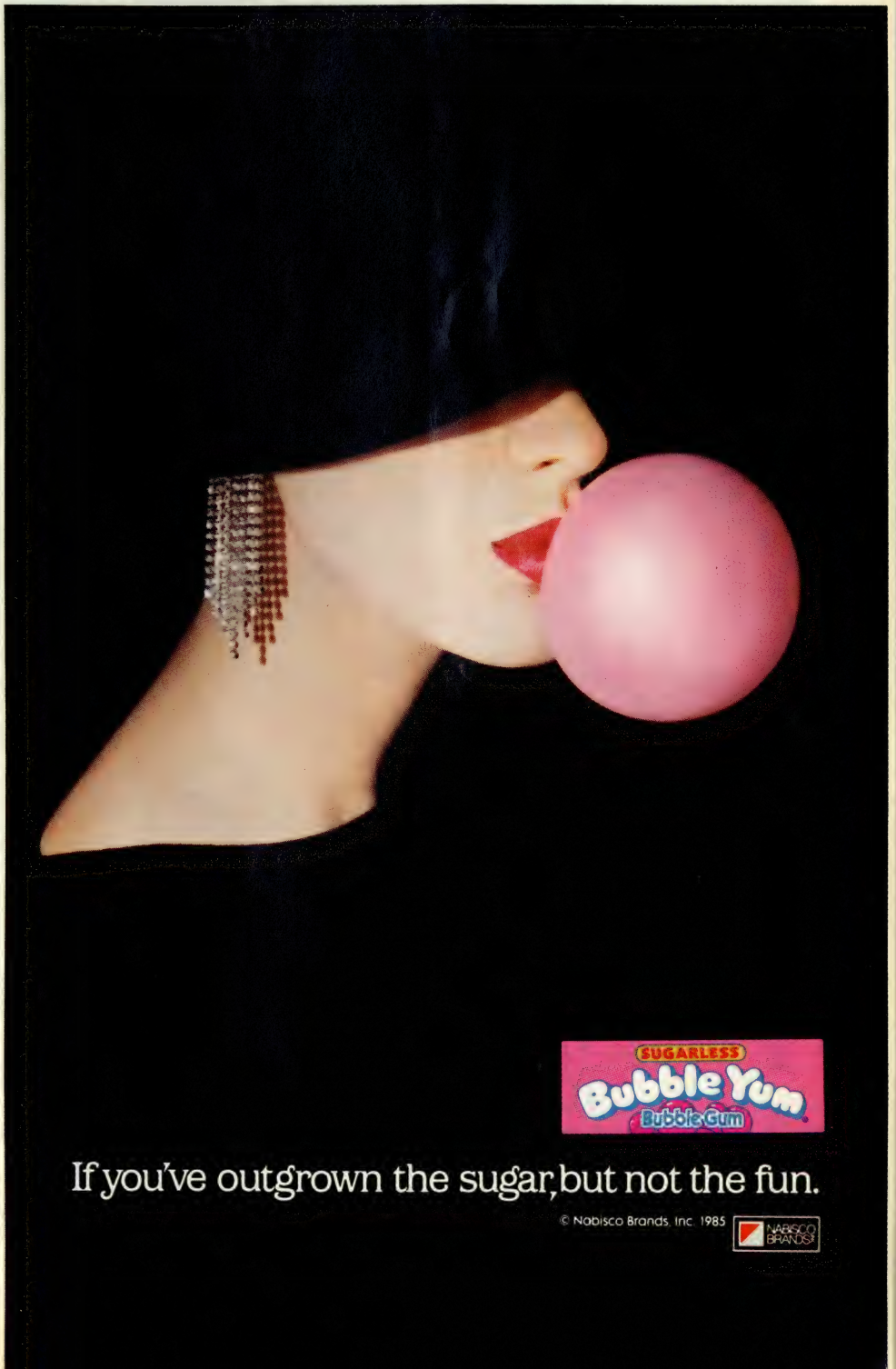
48 EYEBALL BENDERS

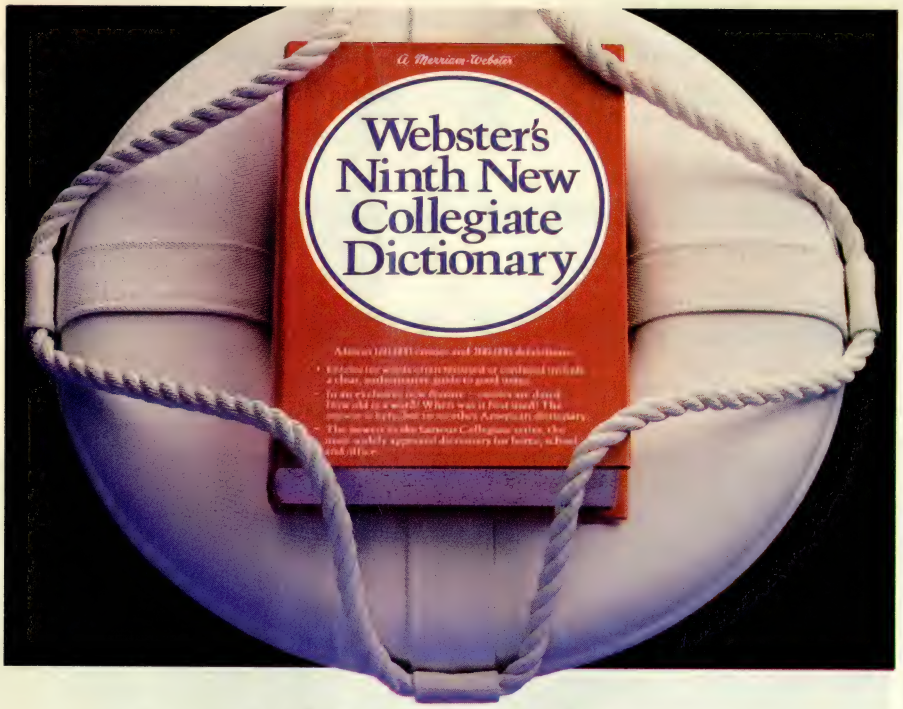
1. Label on Levis
2. Pacifier
3. Bandage strip
4. Spout on a box of sugar
5. Beverage can
6. Garbage bag ties
7. Pears
8. Shopping cart

Photo credits: 2, 3, 4, and 8 by Keith Glasgow; 6 by Jack Abraham; 1 and 7 by Karen M. Strom; 5 by Nick Koudis

6 LETTERS

Back for More
1. State a rule/rule a state
2. Show a pan/pan a show





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44 THE MELTING POT QUIZ

Howdy, Neighbor! 1–d (Italians, New York City); 2–f (Mexicans, Los Angeles); 3–g (Swedish, Minneapolis); 4–b (Japanese, Honolulu); 5–a (Cubans, Miami); 6–c (Chinese, San Francisco); 7–e (Polish, Chicago)

Fifty Into Three New York, Florida, and California

Foreign Exchange (c) 9 million

Take a Number (b) 270,000. This number, according to the U.S. Department of Immigration and Naturalization Service, actually represents 270,000 household heads, each of whom is also allowed to bring his or her family. The actual number of immigrants is closer to 570,000.

Inside Information Nine; The Bill of Rights; freedom of religion (separation of church and state), freedom of speech, freedom of the press, and the right to petition.

Marquee Benders 1–d (Silverman, Sills); 2–c (Shalhoub, Sharif); 3–a (Andrejewski, Benatar); 4–f (Italiano, Bancroft); 5–g (Konigsberg, Allen); 6–b (Estevez, Sheen); 7–e (Matuschanskayasky, Matthau)

I Just Flew in From... 1–b (Asimov, Russia); 2–a (Borge, Denmark); 3–d (Greco, Italy); 4–e (Houseman, Rumania); 5–h (Humperdinck, India); 6–c (Koppel, England); 7–f (Nichols, Germany); 8–g (Simmons, Israel)

Foreign Flavor 1–c, gnocchi and manicotti (Italian); 2–a, albondigas and tamales (Mexican); 3–b, quenelles and crêpes (French); 4–d, kreplach and blintzes (Jewish); 5–f, won tons and eggrolls (Chinese); 6–e, piroshki and blini (Russian)

Whaddya Say? (c) Spanish; (d) Italian; (e) German; (b) French; (a) Polish; (f) Chinese

Pardon Our French 1. Spanish; 2. Dutch; 3. Yiddish; 4. Italian; 5. German

O Tannenbaum 1–f (plum pudding, British); 2–d (Christmas trees, German); 3–e (kissing under the mistletoe, Scandinavian); 4–a ("White Christmas" written by Irving Berlin, Jewish); 5–b (poinsettias, Mexican); 6–g (the X in Xmas is from the Greek letter *chi*, used to abbreviate Christ's name); 7–c (Christmas seals, Danish)

Good Idea (a) Iroquois

Nation Identification 1. (Kwai Chang) Caine; 2. Gretchen Kraus; 3. Jorge and Yortuk Festrunk; 4. Ricky Ricardo; 5. Arnold (Matsuo Takahashi); 6. Illya Kuryakin; 7. Topo Gigio; 8. Soon-Lee Klinger; 9. The Pigeon Sisters (Gwendolyn and Cecily); 10. Latka Gravas

37 LETTER LOGIC

Our answers appear below. Yours may differ.

1.

U	N	D	E	R
Y	O	U	N	G
G	R	A	D	E
L	O	Y	A	L

2.

A	W	O	K	E
W	O	R	L	D
L	I	K	E	N
D	R	A	I	N

3.

I	M	P	E	L
M	E	L	O	N
S	C	O	R	N
C	R	I	S	P

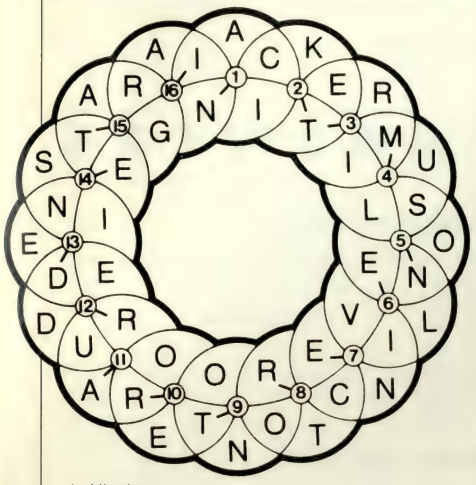
4.

S	T	O	V	E
Y	E	A	S	T
A	L	L	O	Y
C	I	V	I	C

40 SAY WHAT?

1. "It was at this point we were forced to sell our easel."
2. "Hold everything—isn't it 'I' before 'E'?"
3. "Boy — they sure don't make 'em like they used to."
4. "Mr. Johnson! You were my high school guidance counselor!"
5. "I told you not to try to get us in for children's price."
6. "Would you mind waiting a minute while I move my car?"
7. "Don't be silly—of course there aren't any children hiding in your closet."
8. "Do you have 'How To Understand Signs'?"

25 ROUND AND ROUND



1. Niacin
2. Ticket
3. Termite
4. Muslim
5. Nelson
6. Enliven
7. Evince
8. Rector
9. Toronto
10. Rooter
11. Aurora
12. Rudder
13. Denied
14. Einsteins
15. Target
16. Ingrain

28 DSZQTIONARY

TUTOR. 1. Teacher employed to give private lessons. 2. Trumpet player not quite up to symphony level.

PRO AND CON. 1. Opposite sides of an argument. 2. Description of ball player jailed for narcotics possession.

DOWN-IN-THE-MOUTH. 1. Feeling of gloom or depression. 2. Problem encountered while eating raw duck.

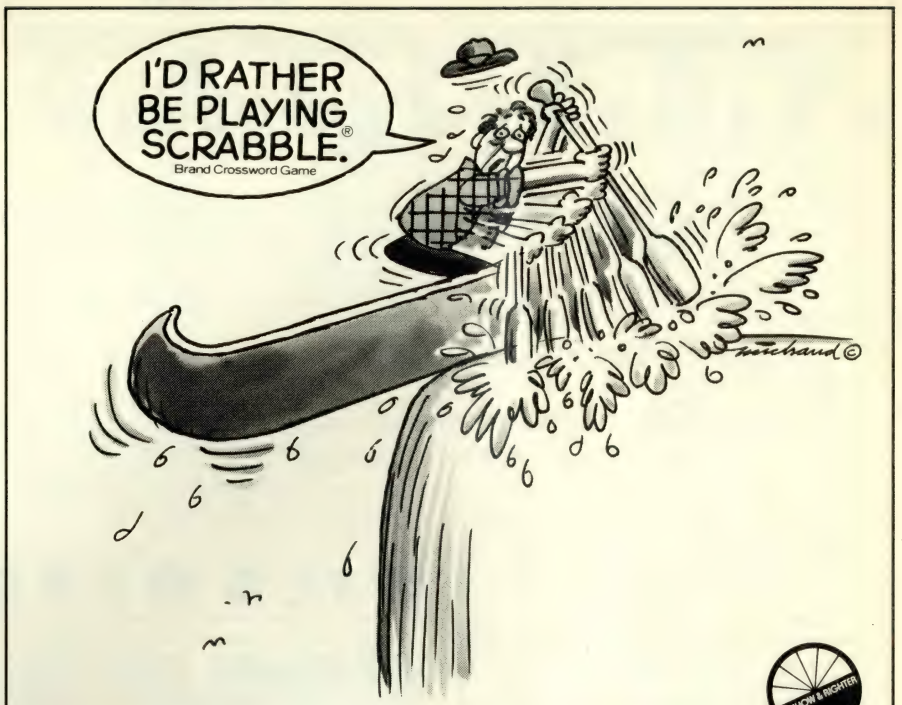
FLY-BY-NIGHT. 1. Shady, irresponsible, and risky. 2. One way that travelers can save on airfare.

PALISADE. 1. Barricade of pointed stakes used for defense. 2. Low-interest loan for repairing king's residence.

FOUNTAIN OF YOUTH. 1. Mythical source of eternal life. 2. Favorite drugstore hangout during high school days.

LISTLESS. 1. Sluggish or weak from exhaustion. 2. How absent-minded shopper arrives at supermarket.

WITHDRAWALS. 1. Removals of funds from bank accounts. 2. How Southerners speak to each other.



TEST YOUR VO-SCRABBLE®-ARY:

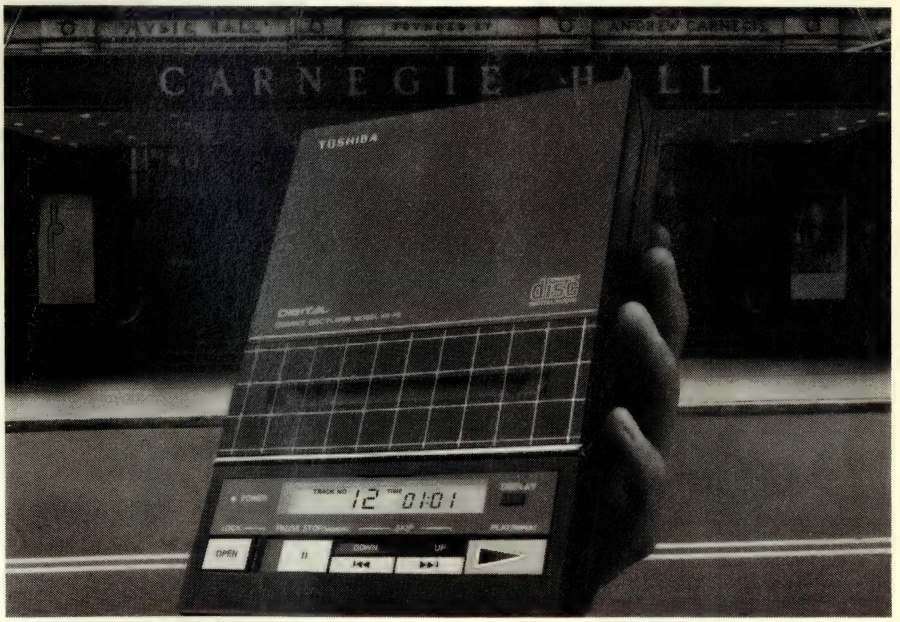
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Toshiba America, Inc., 82 Totowa Road, Wayne, NJ 07470

35 CRYPTIC CROSSWORD 1

ACROSS

1 Preacher (reach + per)
5 Mosaic (mos. + CIA)
9 Opposite (to pope is)
10 Beaten (Ben + eat)
12 Protester (pro + tester)
13 Pique (peak)
14 Site (takeS IT Easy)
16 Quivers (two meanings)
19 Incited (in edict)
21 Shed (two meanings)
24 Keels (sleek)
25 Financier (in + fancier)
27 Entrap (parent)
28 Stations (it's not as)
29 Padded (p + added)
30 Presents (press + ten)

DOWN

1 Prompt (prom + p + t)
2 Employ (my pole)
3 Caste (cast)
4 Entitle (let in E. T.)
6 Overprice (prove Eric)
7 Antiques (anti + quest – t)
8 Converse (con + verse)
11 Iraq (theIR AQuarium)
15 Intestate (in + test + at + e)
17 Pick-me-up (ice pump + k)
18 Accented (dance etc.)
20 Defy (fed + Y)
21 Senator (treason)
22 Disown (sow + din)
23 Irises (I + rises)
26 Notes (steno, & lit.)

35 CRYPTIC CROSSWORD 2

ACROSS

1 Warmongers (warm + on + Gers.)
6 Wise (whys)
9 Snare drums (S.S. + murder + an)
10 Urge (surgeon – son)
12 Strain (SaTuRnAlIaN)
13 Tableau (fasT ABLE AUthor)
15 Acronyms (a + crony + ms.)
17 Gemini (gem + in + i)
19 Things (thin + G + S)
21 Subtitle (built set)
24 Napkins (pan + sink)
25 Gasped (gas pedal – al)
28 Eton (note)
29 Parliament (parent + mail)
30 Slew (two meanings)
31 Slow-witted (slotted + WWI)

DOWN

1 Wash (was + H)
2 Reactor (car tore)
3 Omega (hOME GAme)
4 Geronimo (Geo. + minor)
5 Remote (moon – mo + tree)
7 Israeli (i + serial)
8 Executives (executes + IV)
11 Object (job etc.)
14 Bartenders (Art + benders)
16 Noggin (nog + gin)
18 Bungalow (a blowgun)
20 Improve (I + move + P. R.)
22 The best (Thebes + t)
23 Assail (A's + sail)
26 Swami (was + mi)
27 Stud (St. + ud)

FAKE AD

The Fake Advertisement announced in the Table of Contents was for City College at Wichita's Trivia Program, and appeared on page 56.

36 DOUBLE CROSS

A. MITTERAND
B. ALICE ADAMS
C. RESOLE
D. KIPPERS
E. BOCCIONI
F. RECLOSE
G. YPSILANTI
H. ANDY GRIFFITH
I. NOSTROMO
J. THE PURPLE
K. ROSE OF CAIRO
L. ILLICIT
M. DON MATTINGLY
N. DAFFODIL
O. LILLIPUT
P. EDWARD WOODWARD
Q. SCHIZOPHRENIA
R. ATTEST
S. NOTIONS
T. CHESTER
U. I, CLAUDIUS
V. EPOS
W. NESSELRODE
X. TRIVIAL

French lawyers in Picardy once used pictorial riddles to lampoon local dignitaries without risk of libel, and it is even said that Lorenzo de' Medici went so far as to employ professional riddlers to distract the populace from his political intrigues.
—Mark Bryant, *Riddles Ancient (& Modern)*

29 FIVE EASY PIECES

1. Strawberry
2. Cryptogram
3. Lengthwise
4. Birthplace
5. Tablecloth
6. Propaganda
7. Upholstery
8. Stereotype
9. Ionosphere
10. Dishonesty
11. Polynomial
12. Psychopath

27 MIND YOUR P'S AND Q'S

1. Queer/quaint/quizzical
2. Quick
3. Quarry
4. Quiet/quiescent
5. Quill
6. Quandary
7. Quintet
8. Quest
9. Quarrelsome
10. Quail
11. Queue
12. Quilt

WILD CARD ANSWERS

SPEAK LIKE A SAILOR

1–e, counterclockwise
2–f, an old sailor
3–l, use false lights to decoy ships ashore
4–h, go below for coffee
5–i, a steamship
6–g, the moon
7–a, a mattress filled with straw
8–c, a person or thing thought to be the source of bad luck
9–j, the anchor
10–k, beef or pork that's been pickled in brine
11–b, huge waves
12–d, a light air current that just slightly moves the water's surface

LETTER BOXES

I	N	B	D
P	H	F	A
G	L	O	J
C	E	K	M

ZOO STORY

1. Cow
2. Cat
3. Gnu
4. Boar
5. Ass
6. Lion
7. Camel
8. Bull
9. Ape, rat

FUNNY BUSINESS

All of the words and phrases were introduced through American comic strips. "Horse feathers" originated in *Barney Google*; "on the fritz" is derived from *The Katzenjammer Kids*, Hans and Fritz; "goon" originated in *Popeye* with the character Alice the Goon; "Sadie Hawkins' Day" comes from *Li'l Abner*, in which the Sadie Hawkins character is so unlucky in love that a day was set aside for women to chase men; "zap" first appeared in *Buck Rogers* as the sound of ray-guns; and "security blanket" comes from Linus's familiar prop in *Peanuts*.

CONVERGENT PAIRS

Both words in each pair are opposites of the same word:
1. Light
2. Old
3. Right
4. Lose
5. Fine
6. Hard

SMALL TOWN STATE

The state is Vermont, whose largest city—Burlington—has a population of about 37,700.

ONE TO TEN

Replace O with 2, N with 4, E with 6, and T with 9; the sentence then reads: "To write the numbers 246 to 964 inclusive, you must use the digit 4 exactly 246 times."

WOOFERS AND TWEETERS

Woofers
1–f, Lobo
2–e, Donny Osmond
3–a, Elvis Presley
4–d, The Royal Guardsmen
5–h, The Beatles
6–c, Patti Page
7–g, Bob Dylan
8–b, The Everly Brothers

Tweeters
1–h, Michael Jackson
2–g, Prince
3–f, Fats Domino
4–b, Lynyrd Skynyrd
5–a, James Taylor and Carly Simon
6–e, Rod Stewart
7–c, Stevie Nicks
8–d, Paul McCartney

CAPITAL GAINS

1. Rome (more)
2. Lima (mail)
3. Oslo (solo)
4. Paris (pairs)
5. Tunis (units)
6. La Paz (plaza)
7. Lagos (goals)
8. Seoul (louse)
9. Manila (animal)
10. Athens (hasten)

THE GALLERY

Product and Merchandise Mart

A GAMES ADVERTISING SECTION: "The Gallery" is a special advertising section of *Games* designed to display game products and related services.

TO ORDER BY MAIL: Mail order ads that run in "The Gallery" do not carry coupons. Orders can be sent on a separate sheet to the supplier of the product or service.

A SPECIAL OFFER: If there is a particular game or service you've heard about but can't get your hands on, write us. We'll do our best to put you in touch with the manufacturer or supplier. Address your request to: GAMES Magazine,"The Gallery", 1350 Avenue of the Americas, New York, N.Y. 10019.

TO ADVERTISERS: All advertisements in "The Gallery" are black and white 1/9 page units. These units must be run in frequency multiples of 3X, 6X or 12X. Ad reservations and material are due the 10th day of the 3rd month prior to issue date. Copy and design services are available. For more details and to reserve your space call Joe Failla or Roy DeVries at *Games Magazine*,(212) 246-4640.

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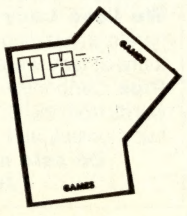
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STATUE OF LIBERTY COVER

The locations of the 50 state names are circled below:



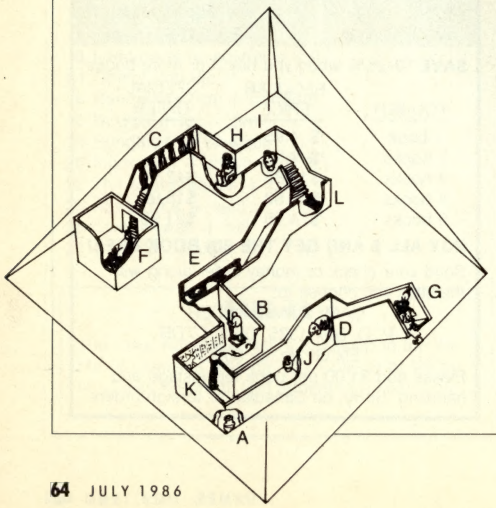
31 DROPSIES

O	H	A	R	E		S	O	U	P		T	A	R	S
N	E	P	A	L		L	A	N	I		A	L	I	E
B	A	R	E	F	O	O	T	I	N	T	H	E	A	R
A	L	I			W	E	S		C	R	I	E	S	
S	E	C	E	D	E			W	H	A	T			S
E	R	O	D	E		S	L	E	E	P	I	N	G	I
	S	T	E	T		H	A	N	D			E	A	R
		R	E	W	I	N	D		C	L	E	T	E	
I	D	I		S	E	N	D		T	H	U	D		
S	E	D		T	E	T	E		H	A	N	N	A	
A	B	E	S		W	O	R	K	I	N	G	T	I	F
B	O	N	N	I	E		S	Y	N	G	E		R	I
E	N	T	I	R	E			U	K	E	S		S	L
L	A	I	C	S		L	A	S	S	O		K	I	L
L	I	C	K		B	U	S	H			M	I	C	E
A	R	A		P	I	C	K	U	P	T	I	C	K	S
	L	E	A	R	Y			O	I	N	K		S	T
N	O	W	I	S	E		D	O	M	E	D		B	S
A	R	I	D		T	H	E	M	O	S	T	H	A	P
N	E	N	E		T	O	K	E	N		H	A	L	O
U	S	S	R		A	G	E	N	A		E	M	I	T

L	O	R	D	S										
A	M	E	S											
M	E	R	E											
A	R	I	A											
D	E	N	V	E	R									
V	E	E												
A	N	N												
L	U	T	E											
S	A	L	E	M										
P	A	S	T	R	Y									
R	A	L	E	I	G	H								
B	O	R	I	C		G	A	R	Y					
A	L	I	N	E		A	T	O	M					
Y	E	G	G	S		S	E	W	N					

32 MUMMY DEAREST

The correct sequence is G, D, J, A, K, B, E, L, I, H, C, F. The pyramid schematic gives a three-dimensional view of the path.



16 DIANA'S INTUITION

The two cards you have landed on are the ones you set aside at the beginning.

Still not convinced? Try this variation: Using the same eight cards, ask a friend to remove one of them without either of you seeing what it is. Now follow the same procedure you followed above, this time with the seven remaining cards: Start on either the K or the Q and move your finger around the grid according to the cards as you turn them up. When you've used all seven cards, your finger will be pointing to the card your friend is holding!

This trick is based on an idea submitted by Aaron J. Friedland.

37 LIVELY LANGUAGE

S	C	R	A	P	M	E	T	A	L		F	O	S	T
T	H	E	I	R	O	N	A	G	E		I	O	L	A
J	A	M	S	E	S	S	I	O	N		S	H	A	K
O	P	A	L		S	I	G	N	O	R	S		L	E
S	T	R	E	P		G	A	Y		E	U	R	O	
E	E	K		U	R	N			S	C	R	I	M	P
P	R	E	S	T	O		S	H	I	R	E	D		E
H	I	D	O	U	T		L	O	G	O			O	R
			S	P	A	N	I	S	H	O	L	I	V	E
U	P	R	O	O	T	E	D			M	A	R	I	N
M	A	E		R	E	V	E	A	L		M	I	N	N
B	Y	P	A	S	S			G	Y	P		D	E	I
R	E	A	C	H		F	R	E	E	L	Y		S	A
A	R	T	H	U	R	I	A	N		A	A	H		L
		R	E	T	U	R	N	T	I	C	K	E	T	
A	L	I		U	S	E		S	N	A	K	I	E	R
R	E	A	P	P	E	A	R		S	T	E	R	E	O
G	A	T	E		S	T	E		E	I	D		B	O
O	N	I	O	N			A	M	E	N		S	C	E
S	T	O	N	E	W	A	R	E		G	A	L	O	R
Y	O	N		B	A	L	S	A	M		S	O	R	T
		D	U	L	L		S	E	E	S		N	O	M
S	T	E	E	L	E	S		L	A	B	I	L	E	
A	I	R	B	A	S	E		E	R	A	S	E	R	
C	A	R	S	E	A	T		S	A	N	T	O	S	

A	M	E	S											
M	E	R	E											
A	R	I	A											
D	E	N	V	E	R									
V	E	E												
A	N	N												
L	U	T	E											
S	A	L	E	M										
P	A	S	T	R	Y									
R	A	L	E	I	G	H								
B	O	R	I	C		G	A	R	Y					
A	L	I	N	E		A	T	O	M					
Y	E	G	G	S		S	E	W	N					

29 CROSS-COUNTRY

The cities numbered on the map are:

Across

10. AMES (Iowa)
20. SEATTLE (Washington)
22. DENVER (Colorado)
42. SALEM (Massachusetts)
48. TUCSON (Arizona)
51. RALEIGH (North Carolina)
59. GARY (Indiana)

Down

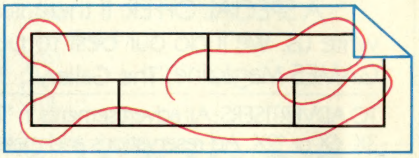
4. PORTLAND (Oregon)
5. DALLAS (Texas)
9. SAN DIEGO (California)
12. ERIE (Pennsylvania)
25. ATLANTA (Georgia)
27. MIAMI (Florida)
38. GREEN BAY (Wisconsin)
39. LAS VEGAS (Nevada)

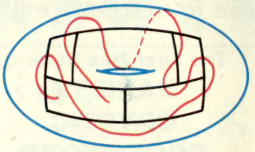
EUREKA

Eureka is dedicated to those venturesome spirits who, never settling for a ready answer, have fought their way to a better, more elegant, or more complete solution than the one we gave.

★ **The Impossible File** (April, page 34). Many readers offered us their own solutions to these classic "impossible" teasers. Here are some of our favorites.

In Just One Line The object was to draw a line that crossed each wall of a five-room house exactly once. Mark Kantrowitz, of Brookline, MA, folded over a corner of the page before drawing his line, and also pointed out that the puzzle can be solved on a torus (a doughnut-shaped surface).





Hungry and Angry Murray R. Pearce, of Bismarck, ND, sent us many more words ending in -gry from *Webster's New International Dictionary, Second Edition*. Most are compounds using "angry" or "hungry": AHUNGRY, ANHUNGRY, DOG-HUNGRY, EVER-ANGRY, FIRE-ANGRY, HALF-ANGRY, HEART-ANGRY, LAND-HUNGRY, HEART-HUNGRY, MEAT-HUNGRY, SELF-ANGRY, TEAR-ANGRY, UNANGRY, and WIND-HUNGRY. HONGRY is a dialectical variant of "hungry." CONYNGRY and PODAGRY are obsolete words meaning "rabbit warren" and "gout," respectively, and GRY is an obsolete unit of measure.

COMING

DISTRACTIONS

AUGUST

Yosemite Can you arrange these six pix of Yosemite, spanning millions of years, in chronological order?

The Glass Bead Game Christiaan Freeling's fascinating new strategy game brings an extra dimension to the mancala family of strategy games.

Victorian Etiquette Call Our Bluff May a gentleman smoke in the presence of a lady? And other mannerly matters (plus one or two we invented) from a world we never knew.

We Love Lucy On her 75th birthday, here's a puzzling pictorial tribute to the funniest lady we ever loved.

Plus Cartoonists' Self-Portraits, Crosswords from the U.S. Open Regionals, Rebus Contest, and Out of the Pole Vault.

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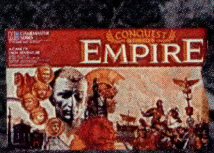
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—Matt Costello, Game News



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